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THIRTY-SEVENTH ANNUAL REPORT

OF THE

SECRETARY OF STATE

ON THE

REGISTRATION

OF

BIRTHS AND DEATHS

MARRIAGES AND DIVORCES

IN

MICHIGAN

FOR THE YEAR 1903.

GEORGE A. PRESCOTT

SECRETARY OF STATE

BY AUTHORITY

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LETTER OF TRANSMITTAL.

STATE DEPARTMENT,

Lansing, Mich., June 1, 1907.

To His Excellency, Fred M. Warner, Governor:

Sir—I hereby transmit the Thirty-seventh Annual Registration Report of Michigan, containing statistics of births and deaths, marriages and divorces in this State during the year 1903, as required by law.

Respectfully,

GEORGE A. PRESCOTT,

Secretary of State.

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THIRTY-SEVENTH ANNUAL

REGISTRATION REPORT OF MICHIGAN

CONTAINING VITAL STATISTICS FOR THE YEAR 1903.

PART I.--VITAL STATISTICS AND POPULATION, 1903.

To obtain correct and complete vital statistics it is essential to have (1) a correct enumeration of the population classified according to age, sex, occupation, etc.; and (2) a complete and accurate registration of births and deaths and other important events in the life-history of individuals, as marriages and sickness, classified on the same basis as the statistics of population.

An accurate estimate of population is the first desideratum, for population forms the natural basis of all vital statistics. In comparing different communities it is necessary to state the deaths and other statistical data in terms of the population, otherwise no true comparison can be instituted.

The actual population is known only by census enumerations. For the intervening years between two census enumerations estimates of the population are made.

Next to a correct enumeration of population the accurate and complete registration of births, marriages and deaths constitutes an essential basis of vital statistics.

This part of the report is intended to give a general idea of the results of registration during the year 1903, and to serve as an introduction to the more detailed study of the statistics in the divisions following.

This is the sixth report issued from this Department since the operation of the new registration law for deaths, which went into effect August twenty-ninth, 1897, and as the law has been longer in operation, and hence more widely and better understood, it is probable that a somewhat higher degree of accuracy in returns has been attained than in the earlier years of its operation.

VITAL STATISTICS RETURNED FOR 1903.

In the following summary will be found some of the principal facts relating to returns of vital statistics in the State for the year 1903:

Total number of deaths, 1903	33,176
Deaths per 1,000 estimated population, 1903	13.3
Total number of marriages, 1903	26,029
Persons married, 1903	52,058
Persons married per 1,000 estimated population, 1903	20.8
Total number of divorces, 1903	2,941
Persons divorced per 1,000 estimated population, 1903	2.4
Total number of births, 1903	46,020
Births per 1,000 estimated population, 1903	18.4

The usual comparison of births and deaths, their difference constituting what is known as the natural increase of population, cannot be made, since the improved accuracy of the returns of deaths removes them from the plane of comparison with the very imperfect returns of births.

RETURNS BY MONTHS.

The distribution of the returns by months during the year 1903 may be seen in Table 1. The average daily numbers of deaths, marriages and births are also given for the year and months. This average enables comparisons to be made of the rates of mortality, nuptiality, and natality between the several months with as much accuracy as by computation of rates. The imperfections of the returns of births, however, invalidate the figures in this respect. It will be noted that the month of greatest mortality was March, and the month of least daily mortality was June. The maximum number of marriages per day was in the month of June, and the least number in March. Owing to the large number of marriages of non-residents included in the returns of the present year, most of which were performed at St. Joseph during the summer excursion season, the relations of the months in regard to marriages of inhabitants of this State are not correctly shown. The highest daily number of births was in August, and the least daily number in January. As the deaths are now much more accurately registered than the births, no inferences can be drawn as to the amount of natural increase in the several months of the year.

Table 1.—Births, marriages and deaths in Michigan, by months, 1903.

	Total number registered, 1903.	Returns by months, 1903.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
DEATHS.*														
Number	33,176	2,888	2,775	3,072	2,789	2,744	2,344	2,681	2,815	2,755	2,648	2,664	3,001	.....
Daily average	90.9	93.2	99.1	99.1	93.0	88.5	78.1	86.5	90.8	91.9	85.4	88.8	96.8	.....
MARRIAGES:														
Number	26,029	1,720	1,669	1,618	2,080	1,905	3,072	1,902	2,082	2,508	2,424	2,520	2,417	22
Daily average	71.3	55.5	59.6	52.1	69.3	61.5	102.4	61.4	67.2	86.6	78.2	84.0	78.0	.....
BIRTHS:†														
Number	46,020	3,227	3,239	3,796	3,752	4,042	3,841	3,848	4,189	4,046	3,976	3,882	4,121	61
Daily average	126.1	104.1	115.7	122.5	125.1	130.4	128.0	124.1	135.1	134.9	128.3	129.4	132.9	.....

* Stillbirths excluded.
† Stillbirths included.

Table 2.—Marriages, births and deaths registered in Michigan for the years 1867-1903, with rates per 1,000 population. (Stillbirths included in births but not in deaths).

Years.	Population.	Registration returns, 1867-1902.			Rates per 1,000 population.		
		Number of marriages.	Number of births.*	Number of deaths.†	Persons married.	Births.*	Deaths.†
1867‡	993,902	4,312	14,000	4,409	.....	.....	.....
1868	1,057,288	8,697	25,020	8,189	16 5	23.7	7.7
1869	1,120,673	8,459	27,093	9,016	15.1	24.2	8.0
1870§	1,184,059	9,791	26,663	10,540	16.5	22.5	8.9
1871	1,221,552	10,605	25,992	9,460	17.4	21.3	7.7
1872	1,259,045	10,752	27,993	13,167	17.1	22.2	10.5
1873	1,296,538	11,897	34,608	13,984	18.4	26.7	10.8
1874§	1,334,031	12,255	31,151	12,036	18.4	23.4	9.0
1875	1,384,515	11,851	31,958	11,361	17.1	23.1	8.2
1876	1,435,000	11,913	34,235	11,930	16.6	23.9	8.3
1877	1,485,484	11,899	33,395	12,199	16.0	22.5	8.2
1878	1,535,968	12,880	35,162	11,973	16.8	22.9	7.7
1879	1,586,453	13,892	34,122	13,658	17.5	21.5	8.6
1880§	1,636,937	14,935	35,323	15,364	18.2	21.6	9.4
1881	1,691,117	15,894	34,749	18,547	18.8	20.5	11.0
1882	1,745,298	16,830	37,026	15,633	19.3	21.2	9 0
1883	1,799,478	17,174	40,809	16,022	19.1	22.7	8 9
1884§	1,853,658	15,989	40,408	17,137	17.3	21,8	9,2
1885	1,893,697	15,885	42,119	15,638	16.8	22 2	8.3
1886	1,933,735	16,665	41,095	17,278	17.2	21.3	8 9
1887	1,973,774	17,179	46,226	18,585	17.4	23.4	9 4
1888	2,013,812	17,297	48,952	20,406	17.2	24.3	10.1
1889	2,053,851	18,317	49,272	19,113	17.8	24 0	9 3
1890§	2,093,889	18,664	52,306	20,245	17.8	25,0	9,7
1891	2,130,827	19,244	50,812	20,989	18.1	23.8	9.9
1892	2,167,765	20,107	46,221	20,715	18.6	21.3	9.6
1893	2,204,703	19,197	47,722	20,963	17.4	21.6	9.5
1894§	2,241,641	18,220	44,596	19,957	16.3	19.9	8.9
1895	2,271,531	18,952	46,273	21,648	16.7	20.4	9.5
1896	2,301,421	18,897	46,302	20,729	16.4	20.1	9 0
1897	2,331,311	18,579	43,688	19,150	15.9	18.7	8.2
1898	2,361,201	20,138	43,462	28,248	17.1	18.4	12.0
1899	2,391,091	21,877	41,818	32,500	18.3	17.5	13.6
1900§	2,420,982	23,295	43,699	32,559	19.2	18.1	13.4
1901	2,450,872	24,079	43,221	32,834	19.6	17.6	13 4
1902	2,475,499	25,653	45,546	31,472	20.7	18.4	12.7
1903	2,502,758	26,029	46,020	33,176	20.8	18.4	13 [illegible]

*Stillbirths included in births. For the years 1867- only those returned as births are so included. Stillbirths not included. ‡ From April 5 to § Census years.

Table 3.—Persons married per 1,000 living population in certain countries and states during the years 1889-1903.

Country or state.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
Austria	15.1	15.1	15.6	15.6	15.9	15.9	16.2	15.9	16.2	15.7	16.6	16.5	16.3	15.5	.....
Belgium	14.5	14.6	15.0	15.4	15.2	15.0	15.5	16.2	16.5	16.6	16.5	17.2	17.4	16.2	14.2
Denmark	14.2	13.8	13.6	13.5	14.0	13.8	14.1	14.5	14.9	15.1	15.0	15.3	14.4	14.2	14.2
France	14.2	14.0	14.9	15.1	14.9	14.9	14.7	15.1	15.1	14.8	15.3	15.5	15.6	15.1	15.3
German Empire	16.0	16.1	16.1	15.9	15.8	15.9	15.9	16.4	16.7	16.9	17.1	17.0	16.5	15.8	.....
Prussia	16.3	16.4	16.3	16.1	16.1	16.1	16.0	16.5	16.8	16.9	17.0	17.1	16.6	16.0	16.0
Holland	14.0	14.0	14.2	14.4	14.6	14.4	14.8	15.0	14.8	14.6	14.8	15.2	15.4	15.2	14.9
Hungary	16.3	16.4	17.2	18.4	18.8	18.6	17.0	16.2	16.4	16.8	18.2	17.8	17.6	17.2	16.2
Italy	15.3	14.7	15.0	14.9	14.8	14.9	14.6	14.1	14.4	13.8	14.7	14.4	14.5	14.5	14.3
Japan	17.0	16.1	16.0	17.0	17.3	17.3	17.3	23.5	16.9	21.5	13.4	15.4	16.7	.....	.....
New South Wales	14.1	14.3	14.8	13.6	12.9	12.5	12.8	13.4	13.7	13.5	13.9	14.8	15.4	15.0	13.7
New Zealand	11.9	12.2	12.1	12.5	12.4	12.3	11.9	13.7	13.7	13.8	14.6	15.3	15.7	16.0	16.5
Norway	12.5	13.0	13.2	12.7	12.9	12.8	13.0	13.4	13.4	14.0	14.3	13.8	13.2	12.8	12.0
Russia (European)	17.2	16.4	16.6	18.4	17.2	18.8	18.4	17.4	18.2	17.4	18.4	.....	.....	.....	.....
Sweden	12.0	12.0	11.7	11.4	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.3	12.1	11.9	11.5
Switzerland	14.1	14.1	14.3	14.6	14.4	14.4	14.6	15.1	15.2	15.6	15.6	15.5	15.2	14.9	14.9
United Kingdom	14.1	14.5	14.6	14.5	13.9	14.2	14.3	15.0	15.2	15.4	15.6	15.1	15.1	15.1	14.9
England and Wales	15.0	15.5	15.6	15.4	14.7	15.0	15.0	15.7	16.0	16.2	16.5	16.0	15.9	15.9	15.6
Ireland	9.0	8.9	9.2	9.3	9.4	9.4	10.1	10.2	10.1	10.0	9.9	9.5	10.2	10.4	10.4
Scotland	13.3	13.7	13.9	14.1	13.2	13.3	13.5	14.2	14.4	14.8	15.0	14.6	14.0	14.1	14.1
United States: Massachusetts	18.8	18.6	18.9	19.2	19.1	16.9	18.5	18.1	17.6	16.5	17.2	17.4	17.3	17.5	17.9
Michigan	17.8	17.8	18.1	18.6	17.4	16.3	16.7	16.4	15.9	17.1	18.3	19.2	19.6	20.7	20.8
Rhode Island	17.3	18.4	18.5	19.1	18.7	17.4	18.2	17.0	15.6	15.8	16.2	18.4	17.6	18.5	19.2

NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

COMPARISON OF 1903 WITH PREVIOUS YEARS OF REGISTRATION.

The vital statistics for the year 1903 may be compared with the returns for the preceding years of registration by means of Table 2. In this table estimated populations are presented for the intercensal and postcensal years, by whose aid the death rates, marriage rates and birth rates may be computed for each year, and thus fairly accurate comparisons be made of the data, with allowance for the increase of population of the State.

According to the returns the number of marriages recorded in 1903, 26,029, was the largest ever recorded in Michigan. This is due in part, however, to the fostered marriage industry at St. Joseph, where a large number of non-resident marriages are performed during the summer excursion season, so that the true increase was probably not as large as indicated.

The marriage rate for the year, including these foreign marriages, was 20.8 per 1,000 estimated population; that for the preceding year being *20.7 per 1,000 population*, and for 1901, 19.6 per 1,000 population.

Table 4.—Births registered per 1,000 living population in certain countries and states during the years 1889-1903. (Stillbirths excluded).

Country or state.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
Austria	38.1	36.5	38.3	36.1	38.0	36.8	38.1	38.0	37.5	36.3	37.3	37.3	36.6	37.0	.....
Belgium	29.4	29.0	30.0	28.9	29.6	29.0	28.6	29.0	29.0	28.6	28.8	29.0	29.4	28.4	27.5
Denmark	31.3	30.6	30.9	29.5	30.5	30.1	30.0	30.3	29.7	30.2	29.8	29.8	29.9	29.2	28.7
France	23.0	21.8	22.6	22.3	22.8	22.3	21.7	22.5	22.2	21.8	21.9	21.4	22.0	21.7	21.1
German Empire	36.4	35.7	37.0	35.7	36.8	35.9	36.1	36.3	36.0	36.1	35.8	35.6	35.7	35.1	.....
Prussia	37.1	36.6	37.7	36.3	37.5	36.6	36.9	36.9	36.5	36.7	36.3	36.1	36.2	35.6	34.5
Holland	33.2	32.9	33.7	32.0	32.9	32.7	32.8	32.7	32.5	31.9	32.0	31.5	32.3	31.8	31.6
Hungary	43.7	40.3	42.3	40.4	42.6	41.5	41.8	40.5	40.3	37.7	39.3	39.3	37.8	38.8	36.7
Italy	38.3	35.8	37.2	36.2	36.5	35.5	34.9	34.8	34.7	33.5	33.9	33.0	32.6	33.3	31.5
Japan	30.5	28.5	26.8	29.4	28.5	28.9	29.5	30.0	30.9	31.3	31.4	31.4	32.7	.....	.....
New South Wales	35.0	35.4	34.5	34.0	33.5	31.7	31.0	28.7	28.9	27.6	27.3	27.4	27.6	27.1	25.3
New Zealand	30.2	29.4	29.0	27.8	27.5	27.3	26.8	26.3	26.0	25.7	25.1	25.6	26.3	25.9	26.6
Norway	29.7	30.3	30.9	29.6	30.7	29.8	30.6	30.4	30.0	30.3	30.9	30.1	29.7	29.1	28.7
Russia (European)	48.8	48.2	48.8	47.2	47.0	48.7	49.4	49.7	49.5	48.7	49.0	.....	.....	.....	.....
Sweden	27.7	28.0	28.3	27.0	27.4	27.1	27.5	27.2	26.7	27.1	26.4	27.0	27.0	26.5	25.6
Switzerland	27.6	26.6	28.2	27.7	27.9	27.3	27.3	28.1	28.3	28.5	29.0	28.6	29.1	28.7	27.7
United Kingdom	30.0	29.2	30.4	29.5	29.8	28.8	29.4	29.0	28.0	28.7	28.5	28.2	28.0	28.0	27.9
England and Wales	31.1	30.2	31.4	30.4	30.7	29.6	30.3	29.6	29.6	29.3	29.1	28.7	28.5	28.5	28.4
Ireland	22.7	22.3	23.1	22.5	23.0	23.0	23.3	23.7	23.5	23.3	23.1	22.7	22.7	23.0	23.1
Scotland	30.9	30.4	31.2	30.7	30.8	29.9	30.0	30.4	30.0	30.1	29.8	29.6	29.5	29.2	29.2
United States*	.....	26.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.2	.....	.....	.....
Connecticut	23.4	23.3	24.8	24.7	25.4	24.9	24.4	24.9	23.3	23.5	22.6	22.6	22.3	22.5	22.7
Massachusetts	26.2	25.8	27.5	28.1	28.1	27.4	27.0	28.3	28.0	27.3	25.7	26.2	25.1	24.6	24.5
Michigan	21.3	19.8	20.8	20.9	21.2	19.4	19.9	19.6	18.3	18.2	17.2	17.8	17.5	18.4	18.4
New Jersey	20.8	20.9	19.5	20.3	21.0	21.3	19.0	18.2	17.9	18.0	15.9	17.1	18.1	17.8	18.5
Rhode Island	24.1	24.7	26.5	25.2	26.5	26.6	25.7	27.3	26.8	25.9	25.6	25.9	25.8	25.1	25.3

* Imperfect data.
NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

The number of births for the year, 46,029, exceeded the number returned for 1902 by 483, and the number for 1901 by 2,808. the rates for the corresponding years being 18.4, 18.4, and 17.6 respectively.

It will be noted in Table 2 that no attempt has been made to indicate the excess of births over deaths. This is necessarily so, because as the deaths are more accurately registered than the births, it is evident that no just comparisons can be made.

MICHIGAN VITAL STATISTICS COMPARED WITH THOSE OF OTHER STATES AND COUNTRIES.

The significance of the vital rates of any state or country cannot be fully known until comparisons have been made with those of others. While the crude marriage, birth and death rates are not sufficient for

Table 5.—Deaths registered per 1,000 living population in certain countries and states during the years 1889-1903. (Stillbirths excluded.)

Country or state.	1889.	1890.	1891.	1892.	893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
Austria	27.5	29.3	28.1	28.7	27.2	27.9	27.6	26.3	25.6	24.9	25.6	25.3	24.0	24.7	.....
Belgium	19.8	20.8	21.2	21.8	20.3	18.6	19.5	17.5	17.3	17.6	18.8	19.3	17.2	17.3	17.0
Denmark	18.6	19.0	20.0	19.4	18.8	17.4	16.8	15.6	16.5	15.5	17.3	16.9	15.8	14.6	14.6
France	20.7	22.8	22.9	22.8	22.5	21.2	22.2	20.0	19.4	20.9	21.1	21.9	20.1	19.5	19.2
German Empire	23.7	24.3	23.4	24.1	24.6	22.3	22.1	20.8	21.3	20.5	21.5	22.1	20.7	19.4	.....
Prussia	23.2	24.0	22.9	23.4	24.2	21.8	21.8	20.7	20.9	20.0	21.4	21.8	20.5	19.2	19.8
Holland	20.1	20.5	20.7	21.0	19.2	18.5	18.6	17.2	16.9	17.0	17.1	17.8	17.2	16.3	15.6
Hungary	29.9	32.4	33.1	35.1	31.2	30.5	29.7	28.9	28.5	28.0	27.2	26.9	25.4	27.0	26.1
Italy	25.6	26.3	26.1	26.2	25.2	25.0	25.0	24.1	21.9	22.9	21.9	23.8	22.0	22.1	22.2
Japan	20.2	20.4	21.0	21.6	22.7	20.1	20.2	21.4	20.3	20.4	21.1	20.3	20.3	.....	.....
New South Wales	13.9	12.9	14.3	12.2	13.3	12.4	11.9	12.5	11.0	12.7	11.9	11.2	11.7	11.9	11.6
New Zealand	9.4	9.7	10.3	10.1	10.2	10.2	9.9	9.1	9.1	9.8	10.2	9.4	9.8	10.5	10.4
Norway	17.4	17.9	17.5	17.8	16.3	16.9	15.7	15.2	15.3	15.3	16.9	15.9	14.9	13.9	14.8
Russia (European)	34.5	35.7	34.6	42.1	33.1	34.0	35.0	32.8	31.4	33.2	31.0	.....	.....	.....	.....
Sweden	16.0	17.1	16.8	17.9	16.8	16.4	15.2	15.6	15.4	15.1	17.0	16.8	16.1	15.4	15.1
Switzerland	20.3	20.9	20.6	19.0	20.1	20.1	19.2	17.8	17.7	18.3	17.7	19.3	18.0	17.2	17.6
United Kingdom	18.1	19.4	20.0	19.0	19.0	16.8	18.7	16.9	17.6	17.7	18.2	18.4	17.1	16.5	15.8
England and Wales	18.2	19.5	20.2	19.0	19.2	16.6	18.7	17.1	17.4	17.5	18.2	16.2	16.9	16.2	15.4
Ireland	17.4	18.2	18.4	19.4	18.0	18.2	18.5	16.7	18.5	18.2	17.7	19.6	17.8	17.5	17.5
Scotland	18.4	19.7	20.7	18.5	19.3	17.1	19.4	16.6	18.4	18.0	18.1	18.5	17.9	17.2	16.6
United States*	.....	19.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.8	.....	.....	.....
Connecticut	17.0	18.3	19.2	19.0	18.6	16.8	17.8	17.5	15.7	15.8	15.7	18.0	16.2	15.2	16.1
Massachusetts	19.2	19.4	19.7	20.9	20.5	19.1	19.0	19.3	18.1	17.5	17.4	18.2	16.8	16.2	16.4
Michigan	9.3	9.7	9.9	9.6	9.5	8.9	9.5	9.0	8.2	†12.0	13.6	13.4	13.4	12.7	13.3
New Jersey	19.0	19.8	19.5	21.6	19.9	19.1	18.3	17.9	16.9	15.1	16.7	16.6	16.5	15.9	15.9
Rhode Island	19.0	20.1	18.6	20.1	19.6	19.1	19.6	19.1	17.6	16.7	17.6	20.6	18.2	17.8	19.0

* Registration area only.
† New registration law for deaths in effect in Michigan for 1898.

NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

the formation of absolutely reliable conclusions relative to the exact intensity of the marriage movement, or of the fecundity or sanitary condition of the populations so measured, nevertheless the crude rates, taken without correction for dissimilar constitution of the population, must always form the first step in the comparative study of vital statistics. By means of the data contained in Tables 3, 4, and 5, which are chiefly derived from the tables of international statistics printed in the last report of the Registrar-General of England, the vital rates of Michigan for fifteen years past may be compared with those of various European countries, and also with the rates of certain states in this country and with those of New Zealand and New South Wales, as representative of the vital statistics of Australasia.

RETURNS COMPARED WITH POPULATION, BY COUNTIES, 1903.

In Table 6 estimated populations are given for each of the counties of the State for the year 1903. In estimating populations what is known as the "arithmetical method" has been employed, as in previous years, both for the *Michigan Monthly Bulletin of Vital Statistics* and for the annual registration reports. While all methods of estimating populations are more or less liable to error, especially when there are long intervals between census enumerations, investigation has proven that the method here used accords more closely with the actual enumerated results than any other method, while at the same time it is readily applied, and is one of the most simple methods.

The numbers of deaths, marriages, divorces and births returned from each county are also shown and the corresponding rates per thousand population for the year. Following the usual custom, the marriage and divorce rates are stated, not as so many marriages and divorces per thousand population, but as *persons married and persons divorced* per thousand population.

Persons married should properly be compared, not with the total population, but with the number of unmarried persons of marriageable age. In like manner, divorce rates should be based on the number of married persons in the population affording them, and the birth rates should be based upon the number of married couples (neglecting the small factor of illegitimacy), or, as is usually more convenient, by referring to the number of women of child-bearing age in the community.

These conclusions are given so that the mistake may not be made of accepting the vital rates given in these tables as absolutely conclusive and hence basing erroneous deductions thereon. Such rates are necessary and form the first step in any statistical investigation of this character, but they require to be fully analyzed before absolutely reliable conclusions can be drawn.

The death rates shown in Table 6 do not, as a rule, vary very widely from the State average of 13.3 per thousand population.

The marriage rate for Berrien county, 47.9, is worthless, because of the large number of foreign marriages, including mostly residents of Chicago, who take advantage of the proximity of St. Joseph during the summer months.

Table 6.—Deaths, marriages, divorces and births in Michigan by counties, for the year 1903, with rates per 1,000 population. (Stillbirths included in births and excluded from deaths.)

State and counties.	Estimated population of Michigan, June, 1903.*	Number of deaths registered, 1903.	Number of marriages registered, 1903.	Number of divorces granted, 1903.	Number of births registered, 1903.	Rates per 1,000 population, 1903.			
						Deaths.	Persons married.	Persons divorced.	Births.
STATE....	2,502,758	33,176	26,029	2,941	46,020	13.3	20.8	2.4	18.4
Alcona.....	5,686	57	40	1	98	10.0	14.1	0.4	17.2
Alger.....	6,368	81	49	3	126	12.7	15.4	0.9	19.8
Allegan.....	38,914	462	362	50	618	11.9	18.6	2.6	15.9
Alpena.....	19,375	229	188	13	476	11.8	19.4	1.3	24.6
Antrim.....	15,883	184	133	21	270	11.6	16.7	2.6	17.0
Arenac.....	10,093	83	95	6	156	8.2	18.8	1.2	15.5
Baraga.....	4,908	54	49	2	127	11.0	20.0	0.8	25.9
Barry.....	22,147	259	224	50	313	11.7	20.2	4.5	14.1
Bay.....	63,181	779	660	41	1,508	12.3	20.9	1.3	23.9
Benzie.....	10,514	143	116	10	180	13.6	22.1	1.9	17.1
Berrien.....	49,334	603	†1,176	67	611	12.2	47.9	2.7	12.4
Branch.....	26,751	367	298	36	680	13.7	22.2	2.7	25.4
Calhoun.....	52,051	778	601	82	715	14.9	23.1	3.2	13.7
Cass.....	20,242	276	240	43	253	13.6	23.7	4.2	12.5
Charlevoix.....	15,698	207	135	10	230	13.2	17.2	1.3	14.7
Cheboygan.....	16,821	195	153	14	364	11.6	18.2	1.7	21.6
Chippewa.....	21,928	343	219	17	480	15.6	20.0	1.6	21.9
Clare.....	8,982	100	70	5	189	11.1	15.6	1.1	21.0
Clinton.....	25,190	310	254	23	379	12.3	20.2	1.8	15.0
Crawford.....	3,626	50	42	2	11	13.8	23.2	1.1	3.0
Delta.....	26,246	313	253	29	636	11.9	19.3	2.2	24.2
Dickinson.....	18,675	260	228	2	645	13.9	24.4	0.2	34.5
Eaton.....	30,947	420	333	65	421	13.6	21.5	4.2	13.6
Emmet.....	17,402	243	181	24	228	14.0	20.8	2.8	13.1
Genesee.....	42,516	613	432	65	582	14.4	20.3	3.1	13.7
Gladwin.....	8,092	58	68	3	136	7.2	16.8	0.7	16.8
Gogebic.....	17,157	285	254	11	542	16.6	29.6	1.3	31.6
Grand Traverse.	22,521	300	273	30	348	13.3	24.2	2.7	15.5
Gratiot.....	30,374	351	344	48	418	11.6	22.3	3.2	13.8
Hillsdale.....	29,844	395	326	35	343	13.2	21.8	2.3	11.5
Houghton.....	69,485	851	675	21	2,541	12.2	19.4	0.6	36.6
Huron.....	34,749	369	273	14	703	10.6	15.7	0.8	20.2
Ingham.....	42,660	503	462	47	530	11.8	21.7	2.2	12.4
Ionia.....	34,553	414	383	56	388	12.0	22.2	1.6	11.2
Iosco.....	10,467	122	94	7	219	11.7	18.9	1.3	20.9
Iron.....	8,941	97	101	4	307	10.8	22.6	0.9	34.3
Isabella.....	23,776	234	237	29	444	9.8	19.9	2.4	18.7
Jackson.....	47,397	619	543	72	778	13.1	22.9	3.0	16.4
Kalamazoo.....	48,399	770	557	52	613	15.9	23.0	2.1	12.7
Kalkaska.....	7,489	115	81	12	95	15.4	21.6	3.2	12.7
Kent.....	136,295	1,871	1,584	270	2,399	13.7	23.2	4.0	17.6
Keweenaw.....	4,214	45	22	2	115	10.7	10.4	0.9	27.3
Lake.....	4,986	51	41	4	114	10.2	16.4	1.6	22.9
Lapeer.....	27,198	350	269	21	352	12.9	19.8	1.5	12.9
Leelanau.....	10,759	130	84	1	226	12.1	15.6	0.2	21.0
Lenawee.....	48,924	663	491	59	556	13.6	20.1	2.4	11.4
Livingston.....	18,903	268	168	25	204	14.2	17.8	2.6	10.8
Luce.....	3,657	99	31	.....	64	27.1	17.0	.....	17.5
Mackinac.....	8,111	71	72	6	90	8.8	17.8	1.5	11.1
Macomb.....	33,132	419	241	39	545	12.6	14.5	2.4	16.4
Manistee.....	27,344	322	243	12	500	11.8	17.8	0.9	18.3
Marquette.....	40,317	590	389	15	1,307	14.6	19.3	0.7	32.4
Mason.....	19,427	182	149	21	375	9.4	15.3	2.2	19.3

* Population estimated by average annual increase as shown by the State census of 1904 over the U. S. census of 1900.
† This includes many marriages of residents of Chicago during the summer excursion season.

Table 6.—Concluded.—Deaths, marriages, divorces and births in Michigan by counties, for the year 1903, with the rates per 1,000 estimated population.

Counties.	Estimated population of Michigan, June, 1903.*	Number of deaths registered, 1903.	Number of marriages registered, 1903.	Number of divorces granted, 1903.	Number of births registered, 1903.	Rates per 1,000 estimated population, 1903.			
						Deaths.	Persons married.	Persons divorced.	Births.
Mecosta	20,335	248	221	16	292	12.2	21.7	1.6	14.4
Menominee	26,610	342	403	17	586	12.9	30.3	1.3	22.0
Midland	14,587	154	147	18	286	10.6	20.2	2.5	19.6
Missaukee	10,027	129	97	15	148	12.9	19.3	3.0	14.8
Monroe	32,874	401	512	21	585	12.2	31.1	1.3	17.8
Montcalm	33,134	411	344	40	446	12.4	20.8	2.4	13.5
Montmorency	3,445	29	33	3	65	8.4	19.2	1.7	18.9
Muskegon	37,289	448	345	50	665	12.0	18.5	2.7	17.8
Newaygo	18,234	231	154	16	226	12.7	16.9	1.8	12.4
Oakland	45,508	658	375	61	598	14.5	16.5	2.7	13.1
Oceana	17,449	224	152	30	250	12.8	17.4	3.4	14.3
Ogemaw	8,782	87	73	4	154	9.9	16.6	0.9	17.5
Ontonagon	6,924	90	69	6	234	12.1	19.9	1.7	33.8
Osceola	18,440	224	167	14	407	12.1	18.1	1.5	22.1
Oscoda	1,783	10	14	1	27	5.6	15.7	1.1	15.1
Otsego	6,973	98	73	5	113	14.1	20.9	1.4	16.2
Ottawa	41,566	479	438	18	807	11.5	21.1	0.9	19.4
Presque Isle	10,359	113	94	8	226	10.9	19.0	1.5	21.8
Roscommon	1,745	25	17	3	40	14.3	19.5	3.4	22.9
Saginaw	84,559	971	821	112	2,016	11.5	19.4	2.6	23.8
St. Clair	55,535	699	551	56	950	12.6	19.8	2.0	17.1
St. Joseph	23,394	321	248	16	328	13.7	21.2	1.4	14.0
Sanilac	34,914	418	310	27	660	12.0	17.8	1.5	18.9
Schoolcraft	8,443	98	80	7	176	11.6	18.1	1.7	20.8
Shiawassee	33,750	451	378	75	413	13.4	22.4	4.4	12.2
Tuscola	35,943	425	357	41	563	11.8	19.9	2.3	15.7
Van Buren	34,542	470	355	57	413	13.6	20.6	3.3	12.0
Washtenaw	47,022	671	345	55	497	14.3	14.7	2.3	10.6
Wayne	377,319	6,088	3,673	478	8,286	16.1	19.5	2.5	22.0
Wexford	18,624	207	197	34	325	11.1	21.2	3.7	17.5

* Population estimated by average annual increase as shown by the State census of 1904 over the U. S. census of 1900.

Table 7.—Deaths, marriages, divorces and births in Michigan, by counties, for the years 1902-1903; showing also the increase (or decrease) of the number registered for 1903 as compared with that of the preceding year. (Stillbirths included in births and excluded from deaths).

State and counties.	Deaths.*			Marriages.			Divorces.			Births.*		
	Number in 1903.	Number in 1902.	Increase or decrease.†	Number in 1903.	Number in 1902.	Increase or decrease.†	Number in 1903.	Number in 1902.	Increase or decrease.†	Number in 1903.	Number in 1902.	Increase or decrease.†
STATE	33,176	31,472	1,704	26,029	25,653	376	2,941	2,828	113	46,020	45,546	474
Alcona	57	45	12	40	60	—20	1	3	—2	98	106	—8
Alger	81	74	7	49	56	—7	3	4	—1	126	78	48
Allegan	462	475	—13	362	332	30	50	42	8	618	615	3
Alpena	229	171	58	188	195	—7	13	16	—3	476	425	51
Antrim	184	168	16	133	142	—9	21	25	—4	270	282	—12
Arenac	83	80	3	95	81	14	6	4	2	156	182	—26
Baraga	54	40	14	49	42	7	2	1	1	127	75	52
Barry	259	267	—8	224	234	—10	50	46	4	313	291	22
Bay	779	745	34	660	584	76	41	54	—13	1,508	1,516	—8
Benzie	143	108	35	116	106	10	10	18	—8	180	219	—39
Berrien	603	553	50	1,176	1,474	—298	67	77	—10	611	570	41
Branch	367	381	—14	298	258	40	36	40	—4	368	385	—17
Calhoun	778	763	15	601	600	1	82	89	—7	715	658	57
Cass	276	287	—11	240	226	14	43	33	10	253	238	15
Charlevoix	207	163	44	135	150	—15	10	14	—4	230	259	—29
Cheboygan	195	181	14	153	142	11	14	9	5	364	333	31
Chippewa	343	339	4	219	266	—47	17	15	2	480	391	89
Clare	100	83	17	70	78	—8	5	8	—3	189	166	23
Clinton	310	298	12	254	228	26	23	21	2	379	383	—4
Crawford	50	48	2	42	31	11	2	2	0	11	55	—44
Delta	313	323	—10	253	238	15	29	18	11	636	592	44
Dickinson	260	227	33	228	242	—14	2	9	—7	645	634	11
Eaton	420	401	19	333	346	—13	65	56	9	421	401	20
Emmet	243	232	11	181	213	—32	24	16	8	228	288	—60
Genesee	613	562	51	432	451	—19	65	75	—10	582	567	15
Gladwin	58	60	—2	68	67	1	3	3	0	136	129	7
Gogebic	285	307	—22	254	232	22	11	14	—3	542	447	95
Grand Traverse	300	297	3	273	248	25	30	37	—7	348	289	59
Gratiot	351	355	—4	344	376	—32	48	74	—26	418	469	—51
Hillsdale	395	377	18	326	300	26	35	41	—6	343	340	3
Houghton	851	943	—92	675	698	—23	21	21	0	2,541	2,612	—71
Huron	369	336	33	273	284	—11	14	11	3	703	732	—29
Ingham	503	560	—57	462	456	6	47	51	—4	530	475	55
Ionia	414	428	—14	383	361	22	56	47	9	388	455	—67
Iosco	122	99	23	94	80	14	7	3	4	219	223	—4

Iron	97	84	13	101	108	-7	4	0	-2	307	266	41
Isabella	234	265	—31	237	210	27	29	27	2	444	444	00
Jackson	619	642	—23	543	517	26	72	81	-9	778	797	—19
Kalamazoo	770	638	132	557	531	26	92	88	4	613	515	98
Kalkaska	115	77	38	81	98	—17	12	14	—2	95	87	8
Kent	1,871	1,734	137	1,584	1,580	4	270	239	31	2,399	1,938	461
Keweenaw	45	34	11	22	17	5	2	0	2	115	117	—2
Lake	51	46	5	41	52	—11	4	8	—4	114	99	15
Lapeer	350	376	—26	269	268	1	21	21	0	352	382	—30
Leelanau	130	117	13	84	84	00	1	5	—4	226	226	00
Lenawee	663	642	21	491	473	18	59	58	1	556	543	13
Livingston	268	225	43	168	183	—15	25	23	2	204	226	—22
Luce	99	64	35	31	30	1	0	1	—1	64	27	37
Mackinac	71	83	—12	72	60	12	6	4	2	90	92	—2
Macomb	419	468	—49	241	253	—12	39	34	5	545	517	28
Manistee	322	311	11	243	218	25	12	15	—3	500	628	—128
Marquette	590	512	78	389	362	27	15	12	3	1,307	1,336	—29
Mason	182	184	—2	149	154	—5	21	4	17	375	377	—2
Mecosta	248	225	23	221	197	24	16	19	—3	292	325	—33
Menominee	342	268	74	403	400	3	17	8	9	586	644	58
Midland	154	147	7	147	133	14	18	10	8	286	306	—20
Missaukee	129	85	44	97	81	16	15	14	1	148	198	—50
Monroe	401	369	32	512	504	8	21	25	—4	585	573	12
Montcalm	411	377	34	344	336	8	40	54	—14	446	427	19
Montmorency	29	44	—15	33	21	11	3	3	0	65	76	—11
Muskegon	448	415	33	345	361	—16	50	40	10	665	652	13
Newaygo	234	203	31	154	168	—14	16	19	—3	226	221	5
Oakland	658	580	78	375	357	18	61	32	29	598	512	86
Oceana	224	161	63	152	162	—10	30	18	12	250	276	—26
Ogemaw	87	80	7	73	72	1	4	7	—3	154	137	17
Ontonagon	90	93	—3	69	74	—5	6	3	3	234	206	28
Osceola	224	207	17	167	179	—12	14	13	1	407	343	64
Oscoda	10	10	00	14	12	2	1	0	1	29	29	00
Otsego	98	75	23	73	67	6	5	6	—1	113	148	—35
Ottawa	479	419	60	438	382	56	18	21	—3	807	771	36
Presque Isle	113	92	21	94	80	14	8	10	—2	226	204	22
Roscommon	25	8	17	17	15	2	3	1	2	40	29	11
Saginaw	971	995	—24	821	845	—24	112	102	10	2,016	1,814	202
St. Clair	699	728	—29	551	540	11	56	82	—26	950	825	125
St. Joseph	321	302	19	248	227	21	16	26	—10	328	310	18
Sanilac	418	376	42	310	326	—16	27	18	9	660	773	—113
Schoolcraft	98	96	2	80	53	27	7	4	3	176	160	16
Shiawassee	451	413	38	378	345	33	75	68	7	413	421	—8
Tuscola	425	417	8	357	347	10	41	32	9	563	592	—29
Van Buren	470	364	106	355	332	23	57	48	9	413	366	47
Washtenaw	671	660	11	345	353	—8	55	37	18	497	518	—21
Wayne	6,088	5,778	310	3,673	3,424	249	478	444	34	8,286	8,880	—594
Wexford	207	207	00	197	185	12	34	27	7	325	313	12

* Stillbirths not included in deaths, but included in births. † Decrease indicated by a minus sign (—).

COMPARISON OF RETURNS FOR THE YEARS 1902-1903.

In Table 7 the returns of deaths, marriages, divorces and births are shown for each county for the past two years, and also the increase or decrease of the returns of the year 1903 as compared with those of the preceding year.

The returns for 1903 show an increase of 1,704 deaths in the State from 1902. There were 21 counties showing a decrease in the number of deaths, 60 showing an increase and 2 showing neither increase or decrease.

The number of marriages increased 376. The counties showing the largest decrease being Berrien, Chippewa, Emmet, Gratiot and Saginaw.

The number of divorces also showed some increase for 1903 over 1902, but this may have been due in part to the greater accuracy of county clerks in making returns for the latter year. It is probable that a portion of this increase was in fact due to a higher divorce rate, but it will require comparisons of quite a large number of years to determine this fact conclusively.

Births increased 474 for the year. The largest amounts of increase occurred in the counties of Chippewa, Gogebic, Kent, Saginaw and St. Clair, and the largest amount of decrease in the county of Wayne.

PART II.—DEATHS AND CAUSES OF DEATHS IN MICHIGAN DURING THE YEAR 1903.

The total number of deaths returned to the Department of State during the year 1903, under the law requiring certificates of deaths and burial permits, was 33,176, exclusive of stillbirths, of which 1,814 were also returned on certificates of deaths.

In Table 1, Part I, is presented a statement of the deaths occurring each month of the year, together with the daily averages.

The largest number of deaths occurring in any month was during March, with 3,072, and a daily average of 99.1. June furnished the least number of deaths with a daily average of 78.1, 2,344 deaths being registered for that month.

Table 2, Part I, shows the deaths and death rates for previous years in comparison with 1903. Under the International classification, which has now come into general use, stillbirths are excluded from deaths, being relegated to a separate class.

Among other classes of vital statistics presented in Table 6, the distribution of deaths through the various counties of the State is also shown, the death rates there shown being based upon the estimated populations. In comparing the death rates of the several counties, as shown in this table, due attention should be given to the age and sex distribution, which greatly affects mortality rates.

As in previous reports, this portion is divided into two sections, viz., Section I, The Incidence of Deaths, by months, sex, age, geographical location, etc., and Section II, The Causes of Death. It should not be understood that the second division fails to study the factors mentioned in the preceding group, but its distinctive feature is that it classifies them with reference to particular diseases instead of simply showing their relation to total mortality.

SECTION I.—INCIDENCE OF DEATHS IN MICHIGAN DURING THE YEAR 1903.

The tables in this section contain statements in regard to the incidence of deaths in the state during the year 1903, arranged to show the following particulars: [illegible] Deaths from all causes by months; [illegible] and proportion of each sex among the decedents; [illegible] age of decedents; [illegible] geographical distribution of deaths; and [illegible] urban and rural. [illegible] presented a brief statement of [illegible] previous years [illegible]

Total number of [illegible] 1903 [illegible]
Death rate per [illegible] population 1903 [illegible]

In addition to [illegible] causes of death [illegible]

births included among the returns of deaths but no longer compiled with them.

Stillbirths registered, 1903	1,814
Stillbirth rate per 1,000 estimated population	0.7

As to monthly incidence of deaths we have:

More than average mortality, 1903	January, February, March, April, September, December.
Less than average mortality, 1903	May, June, July, August, October, November.
Maximum mortality, 1903	March, 3,072 deaths or 14.5 per 1,000 estimated population.
Minimum mortality, 1903	June, 2,344 deaths or 11.4 per 1,000 estimated population.

By sex there were:

Males dying in Michigan, 1903	17,780 or 13.8 per 1,000 estimated population
Females dying in Michigan, 1903	15,396 or 12.0 per 1,000 estimated population

Ratio of death rate of males to death rate of females, 115 per cent.

By age periods, there were, exclusive of stillbirths, deaths as follows:

Under 1 year of age	6,488, or 19.6 per cent
Under 5 years of age	8,709, or 26.2 per cent
Aged 5 to 14 years	1,552, or 4.7 per cent
Aged 15 to 64 years	12,977, or 39.1 per cent
Aged 65 years and over	9,865, or 29.7 per cent

By geographical sections, we have the following:

Deaths in the Upper Peninsula	3,619, or 13.3 per 1,000 estimated population
Northern counties	3,693, or 11.7 per 1,000 estimated population
Central counties	5,266, or 11.7 per 1,000 estimated population
Southern counties	20,598, or 14.0 per 1,000 estimated population

Distinguished as urban and rural, there were the following:

Deaths in cities, 14,223, or 42.9 per cent; death rate, 14.2 per 1,000 estimated population.
Deaths in country, 18,953; of 57.1 per cent; death rate, 12.8 per 1,000 estimated population.

DEATHS BY MONTHS AND QUARTERS.

The distribution of deaths by months and quarters for the year is shown in Table 8, the mortality being distributed through the months about as evenly as it was in the preceding year. The maximum monthly rate, 14.5, was in the month of March, while in the preceding year it was 14.3 for February. March had the largest number of deaths for any month during the year, 3072, with a daily average of 99.1. The month of least mortality was June, with only 2,344 deaths recorded, equivalent to a rate of 11.4 per 1,000 estimated population. The average number of deaths per month was 2,765.

For convenience of comparison in studying the comparative mortality by months, it is useful to use the scale on which the average number of deaths per month is taken as 100. Employing this method, the months stand in the following order: The maximum being February and March, 109; December, 106; January, 103; April, 102; September, 101; and June, the minimum, 86. An interesting feature is shown in this table, viz., the comparison of the death rates of the months, as based on the final compilation of returns after all delinquent districts have reported, with the original rates as printed in the *Monthly Bulletin*.

Table 8.—Deaths in Michigan by months and quarters, 1903. (Stillbirths excluded.)

Year and months.	Number of deaths. By months.	Number of deaths. By quarters.	Average number per day.	Rank.	Death rate per 1,000 estimated population.	Death rates as originally printed in *Bulletin*.	Increase for delayed returns.
Year 1903	33,176	33,176	.....	1,200	13.3	13.2	0.1
January	2,888	8,735	93.2	103	13.6	13.5	0.1
February	2,775		99.1	109	14.4	14.4	0.0
March	3,072		99.1	109	14.5	14.4	0.1
April	2,789	7,877	93.0	102	13.6	13.5	0.1
May	2,744		88.5	97	13.0	13.0	0.0
June	2,344		78.1	86	11.4	11.4	0.0
July	2,681	8,251	89.4	98	12.6	12.6	0.0
August	2,815		90.8	100	13.3	13.3	0.0
September	2,755		91.8	101	13.4	13.4	0.0
October	2,648	8,313	85.4	94	12.5	12.5	0.0
November	2,664		88.8	98	13.0	12.9	0.1
December	3,001		96.8	106	14.1	14.1	0.0
Average	2,765	.....	90.9	100	.....	.....	.....

By referring to Table 9, it will be seen that the total number of deaths for the year recorded in the *Monthly Bulletins,* 32,807, was 369 less than the total number of deaths, 33,176, returned ultimately, and compiled in this registration report. Nevertheless, in the final report as compared with the original returns, there is but slight variation in the death rate for the year, although the monthly differences are somewhat more numerous than usual. They affect the decimal part of the rates only, and hence are well within the limit of accuracy of the statistics generally.

Table 9.—Delayed returns of deaths by months, 1903. (Stillbirths excluded).

Deaths returned and published in—	Total deaths, 1903.	Months of death, 1903. Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Annual registration report	33,176	2,888	2,775	3,072	2,789	2,744	2,344	2,681	2,815	2,755	2,648	2,664	3,001
Monthly Bulletins	32,807	2,856	2,756	3,034	2,745	2,733	2,319	2,653	2,800	2,722	2,624	2,623	2,942
Delayed returns	369	32	19	38	44	11	25	28	15	33	24	41	59
Per cent*	1.1	1.1	0.7	1.2	1.2	0.4	1.1	1.0	0.5	1.2	0.9	1.2	2.0

*Per cent of deficiency of *Bulletin* returns as compared with final figures of report (=100%.)

MORTALITY OF THE SEXES IN MICHIGAN, 1903.

The distribution of deaths by sex during the year 1903 is shown in Table 10, together with a comparison with the estimated population of each sex, and also of the results of the preceding years, 1890-1903, with the ten-year average, 1894-1903.

Excluding stillbirths, there were 17,780 male decedents and 15,396 female decedents during the year. The respective death rates were 13.8 and 12.0 per 1,000 population. These death rates are strictly comparable only with the years since 1898, as the previous years, 1890-97, were collected under the very imperfect law that was then in effect. However, the relative number of males per 100 deaths of females for the year, 115.5 is fully comparable with the corresponding ratios for the preceding years, and the relative male mortality shown in the last column of the table, 115 per cent, which is the ratio of the death rates of males to the death rates of the females taken as 100 per cent, is also correctly shown.

As usual, the male mortality somewhat exceeds the female mortality, the number being 2,384.

Table 10.—Deaths and death rates in Michigan by sex, 1890-1903, with 10 year average. (Stillbirths excluded).

Year.	Population.		Number of deaths.*		Rates per 1,000 estimated population.		Deaths of males to 100 deaths of females.	Relative male mortality.†
	Males.	Females.	Males.	Females.	Males.	Females.		
1890‡	1,091,780	1,002,109	11,801	9,771	10.8	9.8	120.7	110
1891	1,108,970	1,021,857	11,908	9,998	10.7	9.8	119.1	109
1892	1,126,160	1,041,605	11,837	9,809	10.5	9.4	120.7	112
1893	1,143,350	1,061,353	11,772	10,142	10.3	9.6	116.1	107
1894‡	1,160,540	1,081,101	11,159	9,744	9.6	9.0	114.5	107
1895	1,177,730	1,100,849	12,161	10,510	10.3	9.5	115.7	108
1896	1,194,920	1,120,597	11,807	10,119	9.9	9.0	116.7	110
1897	1,212,110	1,140,345	10,294	8,829	8.5	7.7	116.6	110
1898	1,229,300	1,160,093	15,624	13,809	12.7	11.9	113.1	107
1899	1,246,490	1,179,841	18,025	15,605	14.5	13.2	115.5	110
1900‡	1,243,905	1,172,077	17,948	15,772	14.4	13.5	113.8	107
1901	1,263,632	1,187,240	17,540	15,273	13.9	12.9	114.8	108
1902	1,273,780	1,201,719	17,040	14,432	13.4	12.0	118.0	112
1903	1,286,217	1,216,541	17,780	15,396	13.8	12.0	115.5	115
Average, 1894-1903	1,229,362	1,156,040	14,938	12,949	12.1	11.1	115.4	109

* Does not include deaths of unknown sex.
† Ratio of *death rates* (not deaths) of males to death rates of females. This comparison eliminates the unequal distribution of the sexes in the population.
‡ Census years.

DEATHS BY SEXES AND AGE PERIODS, 1903.

The data showing the general distribution of deaths returned for the year 1903, distinguishing the sexes and age periods of the decedents is shown in Table 11. Stillbirths are not included in this table as formerly. The relations of the number of deaths at each year under five and at quinquennial age periods up to the age of eighty years are given. It will be noted that 19.6 per cent of the total number of deaths

in the State were under one year of age, and 26.2 per cent in the age period under five years. In other words, over one-fourth of the total number of deaths recorded for the year were those of children under five years of age, the percentage of males being somewhat higher than that for females.

Comparison of the percentage of deaths of males and females to the total number of deaths, exclusive of unknown sex, shows that for most periods of age the percentage of males is the larger. Exceptions are for the ages fourteen to thirty-nine, corresponding to the child-bearing age of females, during which the number of deaths recorded is greater than those of males.

Table 11.—Deaths in Michigan by sex and age periods, 1903. (Stillbirths excluded.)

Ages.	Number of deaths, 1903.			Per cent of deaths at each age to total at all ages.			Per cent of deaths of each sex to total of both sexes.*		Excess.		Excess of the sexes by number.		Males to 100 females.
	Total.	Males.	Females.	Total.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
All ages	33,176	17,780	15,396	100.0	100.0	100.0	53.6	46.4	7.2	.....	2,384	.....	.....
Under 1 year	6,488	3,694	2,794	19.6	20.8	18.1	56.9	43.1	13.8	.....	900	.....	132
1 year	1,080	563	517	3.3	3.2	3.4	52.1	47.9	4.2	.....	46	.....	109
2 years	513	257	256	1.0	1.4	1.7	50.1	49.9	0.2	.....	1	.....	100
3 years	375	211	164	1.1	1.2	1.1	56.3	43.7	12.6	.....	47	.....	127
4 years	253	128	125	0.8	0.7	0.8	50.6	49.4	1.2	.....	3	.....	102
Under 5 years	*8,709*	*4,853*	*3,856*	*26.2*	*27.3*	*25.0*	*55.7*	*44.3*	*11.4*	.....	*997*	.....	*126*
5 to 9 years	894	465	429	2.7	2.6	2.8	52.0	48.0	4.0	.....	36	.....	108
10 to 14 years	658	324	334	2.0	1.8	2.2	49.2	50.8	.....	1.6	.....	10	97
15 to 19 years	968	463	505	2.9	2.6	3.3	47.8	52.2	.....	4.4	.....	42	92
20 to 24 years	1,285	612	673	3.9	3.4	4.4	47.6	52.4	.....	4.8	.....	61	91
25 to 29 years	1,212	598	614	3.7	3.4	4.0	49.3	50.7	.....	1.4	.....	16	97
30 to 34 years	1,116	501	615	3.4	2.8	4.0	44.9	55.1	.....	10.2	.....	114	81
35 to 39 years	1,157	565	592	3.5	3.2	3.8	48.8	51.2	.....	2.4	.....	27	95
40 to 44 years	1,225	619	606	3.7	3.5	3.9	50.5	49.5	1.0	.....	13	.....	102
45 to 49 years	1,249	701	548	3.8	3.9	3.6	56.1	43.9	12.2	.....	153	.....	128
50 to 54 years	1,371	773	598	4.1	4.3	3.9	56.4	43.6	12.8	.....	175	.....	129
55 to 59 years	1,592	841	751	4.8	4.7	4.9	52.8	47.2	5.6	.....	90	.....	112
60 to 64 years	1,802	976	826	5.4	5.5	5.4	54.2	45.8	8.4	.....	150	.....	118
65 to 69 years	2,203	1,184	1,019	6.6	6.7	6.6	53.7	46.3	7.4	.....	165	.....	116
70 to 74 years	2,382	1,342	1,040	7.2	7.5	6.8	56.3	43.7	12.6	.....	302	.....	129
75 to 79 years	2,240	1,251	989	6.8	7.0	6.4	55.8	44.2	11.6	.....	262	.....	126
80 years and over	3,040	1,651	1,389	9.2	9.3	9.0	54.3	45.7	8.6	.....	262	.....	119
Unknown ages	73	61	12	0.2	0.3	0.1	83.6	16.4	67.2	.....	49	.....	510

* Unknown sex excluded.

In order to obtain a more satisfactory statement of the mortality of the sexes by ages, Table 12 has been prepared, showing the estimated populations for each sex and age.

The total death rate for both sexes, 13.3 per 1,000 estimated population is based on the total estimated population for the State for the year. In like manner the rates for the individual ages are based on partial populations for these ages estimated in the same manner as the total population.

Considered with reference to the sex distribution of the population the death rates of males for the year, 13.8 per thousand, as compared with the death rate of females for the year, 12.7 per thousand represents a relative male mortality of 109 per cent.

Table 12.—Deaths and death rates in Michigan by age periods and sex, 1903. (Stillbirths excluded).

Ages.	Estimated population, 1903.			Deaths, 1903.			Death rate per 1,000 estimated population of same age and sex, 1903.			Relative male mortality.
	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
All ages	2,502,758	1,286,217	1,216,541	33,176	17,780	15,396	13.3	13.8	12.7	109
Under 1 year	56,688	28,773	27,917	6,488	3,964	2,794	114.5	128.4	100.1	128
1 year	49,342	24,977	24,365	1,080	563	517	21.9	22.5	21.2	106
2 years	53,228	27,070	26,158	513	257	256	9.6	9.5	9.8	97
3 years	52,943	26,718	26,225	375	211	164	7.1	7.9	6.3	125
4 years	52,202	26,450	25,752	253	128	125	4.8	4.8	4.9	114
Under 5 years	*264,405*	*133,987*	*130,416*	*8,709*	*4,856*	*3,856*	*32.9*	*36.2*	*29.6*	*122*
5 to 9 years	266,411	135,172	131,238	894	465	429	3.4	3.4	3.3	103
10 to 14 years	259,825	132,215	127,614	658	324	334	2.5	2.5	2.6	80
15 to 19 years	242,483	121,209	121,273	968	463	505	4.0	3.8	4.2	90
20 to 24 years	228,815	113,731	115,084	1,285	612	673	5.7	5.4	5.8	93
25 to 29 years	204,916	103,320	101,597	1,212	598	614	5.9	5.8	6.0	88
30 to 34 years	181,662	93,135	88,526	1,116	501	615	6.1	5.4	6.9	78
35 to 39 years	168,994	88,390	80,605	1,157	565	592	6.8	6.4	7.3	88
40 to 44 years	150,840	79,840	71,001	1,225	619	606	8.1	7.8	8.5	93
45 to 49 years	131,000	70,331	60,669	1,249	701	548	9.5	10.0	9.0	111
50 to 54 years	109,832	59,190	50,641	1,371	773	598	12.5	13.1	11.8	111
55 to 59 years	88,330	46,941	41,389	1,592	841	751	18.0	17.9	18.1	94
60 to 64 years	73,018	38,402	34,618	1,802	976	826	24.7	25.4	23.9	106
65 to 69 years	53,273	27,943	25,332	2,203	1,184	1,019	41.4	42.4	40.2	106
70 to 74 years	37,589	20,079	17,510	2,382	1,342	1,040	63.4	66.8	59.4	112
75 to 79 years	21,902	11,713	10,189	2,240	1,251	989	102.3	106.8	97.1	110
80 years and over	16,098	8,433	7,665	3,040	1,651	1,389	188.8	195.8	181.2	108
Unknown	3,368	2,190	1,178	73	61	12	21.7	27.9	10.2	274

Table 13.—Death rates and ratios of deaths at certain periods of age, 1870-1903. (Still-births excluded from both births and deaths).

Years and periods.	Death rates per 1,000 population of corresponding age.						Percentages of deaths at each age to total deaths at all ages.					Deaths of infants under 1 year of age per 1,000 living births.
	All ages.	Under 1 year.	Under 5 years.	5 to 14.	15 to 64.	65 and over.	Under 1 year.	Under 5 years.	5 to 14.	15 to 64.	65 and over.	
1870	8.9	74.4	26.5	3.5	5.4	37.0	23.5	42.1	9.6	36.6	11.6	91.3
1871	7.7	58.3	21.2	2.9	4.8	36.9	21.2	38.7	9.3	38.1	14.0	75.6
1872	10.3	88.7	30.9	4.0	6.3	38.1	23.9	41.6	9.3	37.2	11.9	110.9
1873	10.6	92.4	31.7	4.4	6.5	41.2	23.9	40.9	9.9	37.2	12.0	96.0
1874	8.8	79.5	25.7	3.0	5.6	38.0	24.6	39.6	8.1	38.7	13.7	94.8
1875	8.1	71.2	23.3	2.6	5.1	34.6	24.2	39.1	7.8	39.1	14.0	85.5
1876	8.2	72.0	23.5	3.0	5.0	37.9	23.7	38.3	8.5	37.8	15.4	82.8
1877	8.1	66.9	23.0	3.2	5.0	37.1	22.1	37.5	9.2	37.8	15.4	81.1
1878	7.7	59.7	21.2	3.4	4.6	36.0	20.6	35.8	10.0	38.0	16.0	70.5
1879	8.6	67.5	24.3	4.3	5.0	38.5	20.8	36.7	11.7	36.0	15.7	84.1
1880	9.4	75.7	27.4	4.6	5.4	39.9	21.5	37.9	11.3	35.7	15.2	93.5
1881	11.0	91.7	33.8	6.1	6.1	41.3	21.7	39.0	12.6	34.7	13.7	116.4
1882	9.0	73.3	26.1	4.7	5.3	36.8	20.9	36.3	11.9	36.3	15.4	88.7
1883	9.0	74.5	25.8	3.8	5.5	37.7	21.1	35.5	9.7	38.5	16.3	83.0
1884	9.4	88.5	28.7	3.8	5.5	39.2	23.7	37.4	9.2	36.9	16.5	101.2
1885	8.4	72.9	23.6	3.2	5.2	37.6	21.6	34.1	8.6	39.1	18.2	81.2
1886	9.0	83.2	27.2	3.3	5.4	38.7	22.8	36.4	8.3	37.5	17.9	96.1
1887	9.5	86.1	28.4	3.4	5.7	41.4	22.1	35.5	8.1	37.9	18.5	(97.2) 89.3
1888	10.2	97.0	30.8	3.3	6.2	44.9	23.0	35.4	7.2	38.3	19.1	(103.4)97.2
1889	9.3	84.5	27.6	3.2	5.8	40.4	21.7	34.3	7.6	39.1	19.1	(91.1) 84.9
1890	9.7	84.0	27.2	3.8	6.1	41.9	20.6	32.4	8.6	39.7	19.4	(89.7) 80.8
1891	9.9	86.3	26.9	3.3	6.1	46.0	21.3	32.0	7.5	39.3	21.2	(93.7) 87.8
1892	9.6	78.3	25.1	3.2	5.9	47.0	20.2	31.0	7.4	39.3	22.4	90.5
1893	9.5	80.8	25.0	3.1	5.9	46.8	21.1	31.1	7.2	39.1	22.4	93.2
1894	8.9	75.3	22.8	2.6	5.7	43.5	21.2	30.6	6.4	40.8	22.3	95.9
1895	9.5	78.0	23.2	2.5	6.2	50.9	20.6	29.1	5.7	41.0	24.2	97.9
1896	9.0	69.6	21.8	2.6	5.7	46.2	20.0	29.5	6.3	40.4	23.7	91.0
1897	8.1	61.9	18.9	2.4	5.2	45.1	19.6	28.1	6.3	40.3	25.3	86.6
1898	11.8	88.6	26.0	2.6	7.5	74.0	19.6	26.8	4.6	39.8	28.8	.....
1899	13.3	99.6	29.8	3.0	8.3	84.0	19.6	27.5	4.7	38.8	29.1	.....
1900	13.4	126.8	36.2	3.1	8.2	71.9	20.3	28.0	4.9	38.3	27.6	.....
1901	13.4	117.2	33.0	2.8	8.4	76.4	19.2	26.1	4.4	39.6	29.5	.....
1902	12.7	106.5	31.0	2.8	8.0	72.1	18.9	25.9	4.7	39.8	29.6	.....
1903	13.3	114.5	32.9	2.9	8.2	76.6	19.6	26.3	4.7	39.1	29.7	.....
1870-74	9.3	78.7	27.2	3.6	5.7	38.2	23.4	40.6	9.2	37.6	12.6	93.7
1875-79	8.1	67.5	23.1	3.3	4.9	36.8	22.3	37.5	9.4	37.7	15.3	80.8
1880-84	9.6	80.7	28.4	4.6	5.6	39.0	21.8	37.2	10.9	36.4	15.4	96.6
1885-89	9.3	84.7	27.5	3.3	5.7	40.6	22.2	35.1	8.0	38.4	18.6	(93.8) 89.7
1890-94	9.5	80.9	25.4	3.2	5.9	45.0	20.9	31.4	7.4	39.6	21.5	(92.6) 89.6
1895-99	10.3	79.5	23.9	2.6	6.6	60.0	19.9	28.2	5.5	40.1	26.2	.....
1870-99	9.4	78.7	25.9	3.4	5.7	43.3	21.8	35.0	8.4	38.3	18.3	.....

NOTE.—The numbers in parentheses in the last column represent the figures for infant mortality after correction, as far as possible, for fraudulent returns of births and deaths from Wayne county (Detroit) during the years 1887-91. See report for 1892, p. 14. No comparison can be made of the deaths as accurately registered under the new law for the years 1898-1903 with the very imperfect returns of births obtained under the very imperfect law of 1867, which has never been amended.

DEATH RATES AND PROPORTIONAL DEATHS BY AGE PEROIDS, 1870—1903.

Table 13 compares the incidence of mortality from all causes at certain important periods of age and also states the proportional deaths of those periods. The increased accuracy of registration beginning with the year 1898 will account for the higher rates shown for the past few years. While the proportional deaths should not be necessarily affected by increased accuracy of registration, assuming that one age

In order to obtain a more satisfactory statement of the mortality of the sexes by ages, Table 12 has been prepared, showing the estimated populations for each sex and age.

The total death rate for both sexes, 13.3 per 1,000 estimated population is based on the total estimated population for the State for the year. In like manner the rates for the individual ages are based on partial populations for these ages estimated in the same manner as the total population.

Considered with reference to the sex distribution of the population the death rates of males for the year, 13.8 per thousand, as compared with the death rate of females for the year, 12.7 per thousand represents a relative male mortality of 109 per cent.

Table 12.—Deaths and death rates in Michigan by age periods and sex, 1903. (Stillbirths excluded).

Ages.	Estimated population, 1903.			Deaths, 1903.			Death rate per 1,000 estimated population of same age and sex, 1903.			Relative male mortality.
	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
All ages	2,502,758	1,286,217	1,216,541	33,176	17,780	15,396	13.3	13.8	12.7	109
Under 1 year	56,688	28,773	27,917	6,488	3,964	2,794	114.5	128.4	100.1	128
1 year	49,342	24,977	24,365	1,080	563	517	21.9	22.5	21.2	106
2 years	53,228	27,070	26,158	513	257	256	9.6	9.5	9.8	97
3 years	52,943	26,718	26,225	375	211	164	7.1	7.9	6.3	125
4 years	52,202	26,450	25,752	253	128	125	4.8	4.8	4.9	114
Under 5 years	*264,405*	*133,987*	*130,416*	*8,709*	*4,856*	*3,856*	*32.9*	*36.2*	*29.6*	*124*
5 to 9 years	266,411	135,172	131,238	894	465	429	3.4	3.4	3.3	103
10 to 14 years	259,825	132,215	127,614	658	324	334	2.5	2.5	2.6	80
15 to 19 years	242,483	121,209	121,273	968	463	505	4.0	3.8	4.2	90
20 to 24 years	228,815	113,731	115,084	1,285	612	673	5.7	5.4	5.8	93
25 to 29 years	204,916	103,320	101,597	1,212	598	614	5.9	5.8	6.0	88
30 to 34 years	181,662	93,135	88,526	1,116	501	615	6.1	5.4	6.9	78
35 to 39 years	168,994	88,390	80,605	1,157	565	592	6.8	6.4	7.3	88
40 to 44 years	150,840	79,840	71,001	1,225	619	606	8.1	7.8	8.5	93
45 to 49 years	131,000	70,331	60,669	1,249	701	548	9.5	10.0	9.0	111
50 to 54 years	109,832	59,190	50,641	1,371	773	598	12.5	13.1	11.8	111
55 to 59 years	88,330	46,941	41,389	1,592	841	751	18.0	17.9	18.1	94
60 to 64 years	73,018	38,402	34,618	1,802	976	826	24.7	25.4	23.9	106
65 to 69 years	53,273	27,943	25,332	2,203	1,184	1,019	41.4	42.4	40.2	106
70 to 74 years	37,589	20,079	17,510	2,382	1,342	1,040	63.4	66.8	59.4	112
75 to 79 years	21,902	11,713	10,189	2,240	1,251	989	102.3	106.8	97.1	110
80 years and over	16,098	8,433	7,665	3,040	1,651	1,389	188.8	195.8	181.2	108
Unknown	3,368	2,190	1,178	73	61	12	21.7	27.9	10.2	274

ages, and hence conclusions in involving comparisons of the two sets of returns should be cautiously drawn.

as originally published in the Michigan Monthly Bulletin of Vital Statistics, 1903.

Important causes of death, with annual deaths rates per 100,000 estimated population.

Tuberculosis of lungs.		Other tuberculosis.		Typhoid fever.		Diphtheria.		Croup.		Scarlet fever.	
No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
170	80.5	25	11.8	48	22.7	48	22.7	10	4.7	36	17.1
19	79.4	5	20.9	9	37.6	8	33.4	2	8.4	8	33.4
19	71.6	1	3.8	8	30.2	4	15.1	2	7.5	5	18.9
35	94.4	1	2.7	8	21.6	7	18.9	1	2.7	4	10.8
97	78.5	18	14.6	23	18.6	29	23.5	5	4.0	19	15.4
91	107.7	13	15.4	20	23.7	34	40.2	3	3.5	14	16.6
35	102.9	3	8.8	5	14.7	13	38.2	1	2.9	4	11.8
9	112.9	3	37.6	3	37.6	2	25.1	.....	.....	.....	.....
22	116.1	3	15.8	9	47.5	7	36.9	2	10.6	3	15.8
14	101.6	2	14.5	2	14.5	9	65.3	.....	.....	4	29.0
11	112.1	2	20.4	1	10.2	3	30.6	.....	.....	3	30.6
79	62.4	12	9.5	28	22.1	14	11.1	7	5.5	22	17.4
182	95.0	35	18.3	34	17.8	39	20.4	13	6.8	16	8.4
20	91.8	4	18.4	7	32.1	7	32.1	1	4.6	3	13.8
23	96.6	4	16.8	4	16.8	2	8.4	2	8.4	1	4.2
27	80.1	5	14.8	7	20.8	4	11.9	3	8.9	5	14.8
112	99.9	22	19.6	16	14.3	26	23.2	7	6.2	7	6.2
87	113.4	16	20.9	16	20.9	20	26.1	6	7.8	5	6.5
27	87.5	9	29.2	4	13.0	9	29.2	5	16.2	.....	.....
9	124.4	1	13.8	3	41.5	.....	.....	.....	.....	.....	.....
20	116.3	3	17.4	5	29.1	6	34.9	.....	.....	3	17.4
20	159.9	1	8.0	3	24.0	4	32.0	.....	.....	2	16.0
11	123.4	2	22.4	1	11.2	1	11.2	1	11.2	.....	.....
95	82.8	19	16.6	18	15.7	19	16.6	7	6.1	11	9.6
197	93.7	40	19.0	48	22.8	27	12.8	7	3.3	22	10.5
22	92.8	6	25.3	5	21.1	6	25.3	2	8.4	6	25.3
21	80.8	2	7.7	7	26.9	2	7.7	1	3.8	2	7.7
29	78.0	8	21.5	6	16.1	.....	.....	.....	.....	4	10.8
125	101.4	24	19.5	30	24.3	19	15.4	4	3.2	10	8.1
93	110.0	13	15.4	25	29.6	16	18.9	2	2.4	11	13.0
37	108.8	6	17.6	6	17.6	10	29.4	.....	.....	5	14.7
8	100.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	121.4	3	15.8	10	52.8	4	21.1	2	10.6	3	15.8
14	101.6	2	14.5	5	36.3	2	14.5	.....	.....	3	21.8
11	112.1	2	20.4	4	40.7	.....	.....	.....	.....	.....	.....
104	82.8	27	21.5	23	18.3	11	8.8	5	4.0	11	8.8
197	96.7	30	14.7	37	18.2	29	14.2	12	5 9	16	7.9
25	106.6	6	25.6	3	12.8	6	25.6	3	12.8	5	21.3
21	82.6	1	3.9	5	19.7	.....	.....	2	7.9	1	3.9
22	61.6	1	2.8	4	11.2	3	8.4	2	5.6	1	2.8
129	108.2	22	18.4	25	21.0	20	16.8	5	4.2	9	7.5
92	108.8	14	16.6	18	21.3	19	22.5	7	8.3	6	7.1
42	123.5	5	14.7	9	26.5	8	23.5	2	5.9	1	2.9
6	75.3	1	12.5	1	12.5	1	12.5	.....	.....	.....	.....
16	84.4	5	26.4	4	21.1	4	21.1	3	15.8	2	10.6
20	145.1	1	7.3	.....	.....	6	43.5	1	7.3	2	14.5
8	81.5	2	20.4	4	40.7	.....	.....	1	10.2	1	10.2
105	88.1	16	13.4	19	15.9	10	8.4	5	4.2	10	8.4

Table 14. Continued.—Mortality in Michigan by geographical sections and groups of

Geographical sections and groups of cities.	Important causes of death, with annual							
	Measles.		Whooping cough.		Pneumonia, bronchopneumonia.		Diarrhea, enteritis, under 2 years.	
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
JANUARY	13	6.2	40	18.9	382	181.0	61	28.9
I. Upper Peninsula	2	8.4	4	16.7	36	150.4	15	62.7
II. Northern Counties	1	3.8	6	22.6	57	214.9	9	33.9
III. Central Counties	2	5.4	11	29.7	50	134.9	9	24.3
IV. Southern Counties	8	6.5	19	15.4	239	193.5	28	22.7
All Cities	6	7.1	21	24.8	147	173.9	33	39.0
Over 30,000	3	8.8	8	23.5	72	211.7	9	26.5
25,000 to 30,000	.....	.....	2	25.1	16	200.7	4	50.2
10,000 to 25,000	2	10.6	5	26.4	25	131.9	6	31.7
5,000 to 10,000	1	7.3	2	14.5	20	145.1	8	58.0
Under 5,000	.....	.....	4	40.7	14	142.6	6	61.1
Country	7	5.5	19	15.0	235	185.7	28	22.1
FEBRUARY	17	8.9	31	16.2	372	194.2	32	16.7
I. Upper Peninsula	7	32.1	5	23.0	32	146.9	10	45.9
II. Northern Counties	2	8.4	4	16.8	34	142.8	6	25.2
III. Central Counties	3	8.9	8	23.7	75	222.5	3	8.9
IV. Southern Counties	5	4.5	14	12.5	231	206.0	13	11.6
All Cities	8	10.4	9	11.7	152	198.1	17	22.2
Over 30,000	1	3.2	4	13.0	82	265.6	4	13.0
25,000 to 30,000	1	13.8	2	27.6	8	110.5	.....	.....
10,000 to 25,000	4	23.3	1	5.8	30	174.4	6	34.9
5,000 to 10,000	1	8.0	2	16.0	12	95.9	3	24.0
Under 5,000	1	11.2	.....	.....	20	224.4	4	44.9
Country	9	7.8	22	19.2	220	191.7	15	13.1
MARCH	29	13.8	34	16.2	403	191.7	51	24.3
I. Upper Peninsula	3	12.7	3	12.7	45	189.8	14	59.1
II. Northern Counties	2	7.7	5	19.2	28	107.8	6	23.1
III. Central Counties	9	24.2	5	13.5	71	191.0	10	26.9
IV. Southern Counties	15	12.2	21	17.0	259	210.2	21	17.0
All Cities	7	8.3	14	16.6	191	226.0	16	18.9
Over 30,000	2	5.9	5	14.7	87	255.8	6	17.6
25,000 to 30,000	.....	.....	1	12.5	10	125.4	1	12.5
10,000 to 25,000	5	26.4	3	15.8	49	258.5	3	15.8
5,000 to 10,000	.....	.....	3	21.8	22	159.6	3	21.8
Under 5,000	.....	.....	2	20.4	23	234.3	3	30.6
Country	22	17.5	20	15.9	212	168.7	35	27.9
APRIL	22	10.8	39	19.1	309	151.6	36	17.7
I. Upper Peninsula	4	17.1	6	25.6	35	149.3	9	38.4
II. Northern Counties	.....	.....	5	19.7	38	149.4	3	11.8
III. Central Counties	9	25.2	10	28.0	54	151.2	6	16.8
IV. Southern Counties	9	7.5	18	15.1	182	152.6	18	15.1
All Cities	9	10.6	15	17.7	131	155.0	14	16.6
Over 30,000	2	5.9	9	26.5	60	176.4	7	20.6
25,000 to 30,000	.....	.....	2	25.1	13	163.1	2	25.1
10,000 to 25,000	4	21.1	.....	.....	28	147.7	4	21.1
5,000 to 10,000	2	14.5	3	21.8	21	152.4	1	7.3
Under 5,000	1	10.2	1	10.2	9	91.7	.....	.....
Country	13	10.9	24	20.1	178	149.3	22	18.4

cities, as originally published in the Michigan Monthly Bulletin of Vital Statistics, 1903.

death rates per 100,000 estimated population.

Meningitis.		Influenza.		Puerperal septicemia.		Cancer.		Violence.		Still-births excluded.
No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	
27	12.8	39	18.5	18	8.5	140	66.3	126	59.7	149
4	16.7	2	8.4	4	16.7	8	33.4	20	83.6	23
2	7.5	3	11.3	2	7.5	9	33.9	18	67.9	19
2	5.4	6	16.2	7	18.9	17	45.8	27	72.8	17
19	15.4	28	22.7	5	4.0	106	85.8	61	49.4	90
19	22.5	8	9.5	4	4.7	65	76.9	53	62.7	96
11	32.3	2	5.9	2	5.9	24	70.6	13	38.2	53
2	25.1	.....	.....	1	12.5	6	75.3	9	112.9	4
4	21.1	1	5.3	.....	.....	17	89.7	10	52.8	19
1	7.3	1	7.3	1	7.3	11	79.8	11	79.8	15
1	10.2	4	40.7	.....	.....	7	71.3	10	101.9	5
8	6.3	31	24.5	14	11.1	75	59.3	73	57.7	53
35	18.3	73	38.1	16	8.4	126	65.8	134	70.0	145
5	23.0	2	9.2	.....	.....	13	59.7	24	110.2	26
3	12.6	9	37.8	4	16.8	10	42.0	19	79.8	22
5	14.8	14	41.5	4	11.9	22	65.3	20	59.3	21
22	19.6	48	42.8	8	7.1	81	72.2	71	63.3	76
20	26.1	25	32.6	8	10.4	70	91.2	57	74.3	84
8	25.9	10	32.4	4	13.0	27	87.5	15	48.6	46
2	27.6	1	13.8	2	27.6	7	96.7	4	55.3	6
3	17.4	7	40.7	1	5.8	22	127.9	16	93.0	19
5	40.0	5	40.0	1	8.0	9	71.9	13	103.9	8
2	22.4	2	22.4	.....	.....	5	56.1	9	101.0	5
15	13.1	48	41.8	8	7.0	56	48.8	77	67.1	61
53	25.2	140	66.6	22	10.5	143	68.0	150	71.4	172
5	21.1	5	21.1	6	25.3	15	63.3	22	92.8	29
3	11.5	10	38.5	4	15.4	15	57.7	23	88.5	21
11	29.6	16	43.0	8	21.5	33	88.8	15	40.4	28
34	27.6	109	88.4	4	3 2	80	64.9	90	73.0	94
23	27.2	53	62.7	6	7.1	67	79.3	69	81.6	99
13	38.2	15	44.1	1	2.9	25	73.5	23	67.6	51
2	25.1	2	25.1	1	12.5	10	125.4	4	50.2	10
4	21.1	16	84.4	1	5.3	14	73.9	15	79.1	23
3	21.8	6	43.5	3	21.8	11	79.8	18	130.6	10
1	10.2	14	142.6	.....	.....	7	71.3	9	91.7	5
30	23.9	87	69.2	16	12.7	76	60.5	81	64.5	73
31	15.2	91	44.7	16	7.9	123	60.4	136	66.7	171
6	25.6	7	29.9	2	8.5	3	12.8	21	89.6	31
2	7.9	7	27.5	4	15.7	4	15.7	18	70.8	26
10	28.0	15	42.0	2	5.6	24	67.2	14	39.2	28
13	10.9	62	52.0	8	6.7	92	77.1	83	69.6	86
17	20.1	30	35 5	2	2.4	61	72.2	61	72.2	91
4	11.8	11	32.3	.....	.....	26	76.5	18	52.9	41
3	37.6	3	37.6	.....	.....	8	100.3	8	100.3	8
4	21.1	9	47.5	2	10.6	14	73.9	13	68.6	26
.....	.....	4	29.0	.....	.....	7	50.8	15	108.8	12
6	61.1	3	30.6	.....	.....	6	61.1	7	71.3	4
14	11.7	61	51.2	14	11.7	62	52.0	75	62.9	80

Table 14.—Continued.—Mortality in Michigan, by geographical sections and groups of

Geographical sections and groups of cities.	Reporting population by U. S. census of 1900.	Total deaths by months, 1903.	Death rates per 1,000 estimated population.	Important ages.					
				Under 1 year.		1 to 4 years.		65 years and over.	
				No.	Per cent.	No.	Per cent.	No.	Per cent.
MAY	2,394,821	2,733	13.0	447	16.4	173	6.3	818	29.9
I.—Upper Peninsula	251,292	301	12.8	79	26.2	34	11.3	40	13.3
II.—Northern Counties	291,199	278	10.6	55	19.8	19	6.8	69	24.8
III.—Central Counties	435,509	423	11.4	83	19.6	29	6.9	114	27.0
IV.—Southern Counties	1,416,821	1,731	14.0	230	13.3	91	5.3	595	34.4
All Cities	947,193	1,229	14.5	218	17.7	74	6.0	298	24.2
Over 50,000	373,269	501	14.7	98	19.6	30	6.0	102	20.4
25,000 to 50,000	95,153	103	12.9	14	13.6	3	2.9	27	26.2
10,000 to 25,000	212,890	277	14.6	45	16.2	18	6.5	70	25.3
5,000 to 10,000	153,006	194	14.1	32	16.5	16	8.2	54	27.8
Under 5,000	112,875	154	15.7	29	18.8	7	4.5	45	29.2
Country	1,447,628	1,504	11.9	229	15.2	99	6.6	520	34.6
JUNE	2,390,387	2,319	11.4	378	16.3	149	6.4	699	30.1
I.—Upper Peninsula	257,338	264	11.3	67	25.4	36	13.6	34	12.9
II.—Northern Counties	290,336	246	9.7	45	18.3	16	6.5	62	25.2
III.—Central Counties	431,861	374	10.5	58	15.5	19	5.1	116	31.0
IV.—Southern Counties	1,410,852	1,435	12.1	208	14.5	78	5.4	487	33.9
All Cities	954,288	1,060	12.9	195	18.4	86	8.1	245	23.1
Over 50,000	373,269	455	13.8	106	23.3	44	9.7	82	18.0
25,000 to 50,000	95,153	103	13.4	16	15.5	8	7.8	20	19.4
10,000 to 25,000	212,890	232	12.7	36	15.5	18	7.8	68	29.3
5,000 to 10,000	153,006	165	12.4	25	15.2	12	7.3	45	27.3
Under 5,000	119,970	105	10.3	12	11.4	4	3.8	30	28.6
Country	1,436,099	1,259	10.4	183	14.5	63	5.0	454	36.1
JULY	2,393,375	2,653	12.6	566	21.3	197	7.4	711	26.8
I.—Upper Peninsula	256,379	296	12.3	94	31.8	34	11.5	32	10.8
II.—Northern Counties	291,234	304	11.5	72	23.7	29	9.5	68	22.4
III.—Central Counties	433,777	395	10.7	70	17.7	30	7.6	104	26.3
IV.—Southern Counties	1,411,985	1,658	13.5	330	19.9	104	6.3	507	30.6
All Cities	954,288	1,256	14.7	333	26.5	106	8.4	258	20.5
Over 50,000	373,269	546	16.1	192	35.2	54	9.9	89	16.3
25,000 to 50,000	95,153	107	13.4	26	24.3	7	6.5	24	22.4
10,000 to 25,000	212,890	276	14.6	44	15.9	21	7.6	63	22.8
5,000 to 10,000	153,006	188	13.6	37	19.7	19	10.1	48	25.5
Under 5,000	119,970	139	13.2	34	24.5	5	3.6	34	24.5
Country	1,439,087	1,397	11.2	233	16.7	91	6.5	453	32.4
AUGUST	2,400,031	2,800	13.3	688	24.6	211	7.5	697	24.9
I.—Upper Peninsula	257,228	362	15.0	141	39.0	37	10.2	35	9.7
II.—Northern Counties	294,216	323	12.1	88	27.2	35	10.8	76	23.5
III.—Central Counties	433,256	405	11.0	100	24.7	29	7.2	105	25.9
IV.—Southern Counties	1,415,331	1,710	13.9	359	21.0	110	6.4	481	28.1
All Cities	953,459	1,280	15.0	370	28.9	107	8.4	239	18.7
Over 50,000	373,269	559	16.4	168	30.1	54	9.7	92	16.5
25,000 to 50,000	95,153	112	14.0	32	28.6	8	7.1	23	20.5
10,000 to 25,000	212,890	273	14.4	69	25.3	23	8.4	58	21.2
5,000 to 10,000	153,006	178	12.9	59	33.1	12	6.7	33	18.5
Under 5,000	119,141	158	15.0	42	26.6	10	6.3	33	20.9
Country	1,446,572	1,520	12.1	318	20.9	104	6.8	458	30.1

cities, as originally published in the Michigan Monthly Bulletin of Vital Statistics, 1903.

Important causes of death, with annual deaths rates per 100,000 estimated population.

Tuberculosis of lungs.		Other tuberculosis.		Typhoid fever.		Diphtheria.		Croup.		Scarlet fever.	
No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
199	94.5	29	13.8	42	20.0	41	19.5	4	1.9	25	11.9
24	102.0	5	21.3	9	38.3	5	21.3	2	8.5	6	25.5
19	72.2	3	11.4	4	15.2	3	11.4	1	3.8	5	19.0
33	88.8	4	10.8	5	13.5	4	10.8	.....	.....	3	8.1
123	99.7	17	13.8	24	19.4	29	23.5	1	0.8	11	8.9
88	104.1	14	16.6	26	30.8	22	26.0	1	1.2	7	8.3
41	120.6	4	11.8	10	29.4	11	32.3	.....	.....	2	5.9
10	125.4	2	25.1	1	12.5	.....	.....	.....	.....	.....	.....
13	68.6	3	15.8	8	42.2	5	26.4	.....	.....	5	26.4
15	108.8	4	29.0	4	29.0	3	21.8	1	7.3	.....	.....
9	91.7	1	10.2	3	30.6	3	30.6	.....	.....	.....	.....
111	88.1	15	11.9	16	12.7	19	15.1	3	2.4	18	14.3
178	87.6	22	10.8	22	10.8	44	21.7	12	5.9	10	4.9
29	124.4	4	17.2	2	8.6	5	21.4	4	17.2	4	17.2
26	102.5	2	7.9	2	7.9	.....	.....	2	7.9	.....	.....
31	87.0	6	16.8	5	14.0	3	8.4	.....	.....	1	2.8
92	77.4	10	8.4	13	10.9	36	30.3	6	5.0	5	4.2
78	94.6	12	14.6	12	14.6	31	37.6	7	8.5	6	7.3
39	118.6	1	3.0	5	15.2	20	60.8	3	9.1	1	3.0
9	116.7	3	38.9	3	38.9	1	13.0	.....	.....	.....	.....
12	65.5	1	5.5	1	5.5	2	10.9	4	21.8	4	21.8
9	67.5	2	15.0	2	15.0	6	45.0	.....	.....	.....	.....
9	88.4	5	49.1	1	9.8	2	19.6	.....	.....	1	9.8
100	82.8	10	8.3	10	8.3	13	10.8	5	4.1	4	3.3
163	77.5	43	20.4	27	12.8	36	17.1	1	0.5	13	6.2
15	62.5	10	41.7	4	16.7	9	37.5	.....	.....	3	12.5
20	76.0	3	11.4	4	15.2	4	15.2	.....	.....	1	3.8
26	70.3	2	5.4	5	13.5	4	10.8	1	2.7	2	5.4
102	82.9	28	22.8	14	11.4	19	15.4	.....	.....	7	5.7
88	93.8	24	28.2	13	15.3	23	27.0	.....	.....	5	5.9
33	97.0	9	26.5	4	11.8	9	26.5	.....	.....	2	5.9
6	75.3	1	12.5	4	50.2	.....	.....	.....	.....	.....	.....
23	121.4	6	31.7	3	15.8	8	42.2	.....	.....	1	5.3
11	79.8	6	43.5	2	14.5	5	36.3	.....	.....	1	7.3
7	66.5	2	19.0	.....	.....	1	9.5	.....	.....	1	9.5
83	66.3	19	15.2	14	11.2	13	10.4	1	0.8	8	6.4
157	74.4	30	14.2	44	20.9	35	16.6	2	0.9	16	7.6
27	112.1	1	4.2	2	8.3	5	20.8	1	4.2	4	16.6
24	90.2	6	22.6	4	15.4	1	3.8	.....	.....	2	7.5
21	56.8	1	2.7	7	18.9	3	8.1	.....	.....	1	2.7
85	69.0	22	17.8	31	25.1	26	21.1	1	0.8	9	7.3
66	77.4	14	16.4	18	21.1	27	31.7	1	1.2	9	10.6
27	79.4	6	17.6	10	29.4	22	64.7	1	2.9	2	5.9
7	87.8	1	12.5	2	25.1	1	12.5	.....	.....	.....	.....
12	63.3	4	21.1	4	21.1	2	10.6	.....	.....	2	10.6
8	58.0	1	7.3	1	7.3	2	14.5	.....	.....	3	21.8
12	113.9	2	19.0	1	9.5	.....	.....	.....	.....	2	19.0
91	72.4	16	12.7	26	20.7	8	6.4	1	0.8	7	5.6

Table 14.—Continued.—Mortality in Michigan, by geographical sections and groups of

Geographical sections and groups of cities.	Important causes of death, with annual							
	Measles.		Whooping cough.		Pneumonia, bronchopneumonia.		Diarrhea, enteritis, under 2 years.	
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
MAY	28	13.3	34	16.2	254	120.7	54	25.7
I.—Upper Peninsula	1	4.3	7	29.8	28	119.0	12	51.0
II.—Northern Counties	3	11.4	5	19.0	17	64.6	7	26.6
III.—Central Counties	10	26.9	8	21.5	45	121.1	6	16.2
IV.—Southern Counties	14	11.3	14	11.3	164	132.9	29	23.5
All Cities	11	13.0	12	14.2	111	131.3	30	35.5
Over 50,000	5	14.7	5	14.7	52	152.9	14	41.2
25,000 to 50,000	.....	.....	.....	.....	9	112.9	1	12.5
10,000 to 25,000	2	10.6	2	10.6	23	121.4	9	47.5
5,000 to 10,000	1	7.3	3	21.8	16	116.1	4	29.0
Under 5,000	3	30.6	2	20.4	11	112.1	2	20.4
Country	17	13.5	22	17.5	143	113.5	24	19.1
JUNE	19	9.4	28	13.8	128	63.0	65	32.0
I.—Upper Peninsula	1	4.3	5	21.4	15	64.3	11	47.2
II.—Northern Counties	2	7.9	5	19.7	15	59.1	3	11.8
III.—Central Counties	10	28.1	1	2.8	19	53.3	3	8.4
IV.—Southern Counties	6	5.0	17	14.3	79	66.4	48	40.4
All Cities	10	12.1	11	13.3	61	74.0	44	53.4
Over 50,000	1	3.0	8	24.3	36	109.4	27	82.1
25,000 to 50,000	6	77.8	.....	.....	5	64.8	3	38.9
10,000 to 25,000	2	10.9	2	10.9	9	49.1	5	27.3
5,000 to 10,000	1	7.5	.....	.....	7	52.5	6	45.0
Under 5,000	.....	.....	1	9.8	4	39.3	3	29.5
Country	9	7.5	17	14.1	67	55.5	21	17.4
JULY	12	5.7	38	18.1	82	39.0	271	128.8
I.—Upper Peninsula	3	12.5	6	25.0	5	20.8	41	170.9
II.—Northern Counties	2	7.6	10	38.0	15	57.0	34	129.1
III.—Central Counties	2	5.4	5	13.5	9	24.3	29	78.4
IV.—Southern Counties	5	4.1	17	13.8	53	43.1	167	135.8
All Cities	5	5.9	13	15.3	38	44.6	191	224.1
Over 50,000	1	2.9	3	8.8	20	58.8	121	355.8
25,000 to 50,000	2	25.1	3	37.6	3	37.6	17	213.2
10,000 to 25,000	.....	.....	4	21.1	8	42.2	17	89.7
5,000 to 10,000	2	14.5	3	21.8	6	43.5	18	130.6
Under 5,000	.....	.....	.....	.....	1	9.5	18	170.9
Country	7	5.6	25	20.0	44	35.2	80	63.9
AUGUST	2	0.9	37	17.5	100	47.4	386	183.0
I.—Upper Peninsula	.....	.....	7	29.1	10	41.5	93	386.3
II.—Northern Counties	.....	.....	2	7.5	15	56.4	50	188.0
III.—Central Counties	2	5.4	4	10.8	13	35.2	49	132.6
IV.—Southern Counties	.....	.....	24	19.5	62	50.3	194	157.4
All Cities	2	2.3	23	27.0	53	62.2	219	256.9
Over 50,000	.....	.....	11	32.3	23	67.6	104	305.8
25,000 to 50,000	2	25.1	.....	.....	4	50.2	18	225.8
10,000 to 25,000	.....	.....	7	36.9	20	105.5	31	163.6
5,000 to 10,000	.....	.....	4	29.0	4	29.0	35	254.0
Under 5,000	.....	.....	1	9.5	2	19.0	31	294.4
Country	.....	.....	14	11.1	47	37.4	167	132.8

cities, as originally published in the Michigan Monthly Bulletin of Vital Statistics, 1908.

death rates per 100,000 estimated population.

Meningitis.		Influenza.		Puerperal septicemia.		Cancer.		Tuberculosis.		Still-births excluded.
No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	
49	23.3	36	20.1	15	7.1	125	59.4	205	97.4	145
4	17.0	3	12.8	1	4.2	10	42.5	36	144.0	20
5	20.4	5	19.0	2	7.6	10	38.0	22	87.4	19
10	25.9	10	25.9	1	2.7	12	32.3	36	96.9	32
27	21.9	18	20.8	11	8.9	93	75.4	112	90.8	74
23	27.2	17	20.1	8	9.5	67	79.3	96	113.6	79
9	26.5	3	8.8	5	14.7	25	73.5	34	100.0	37
3	37.6					5	62.7	8	100.3	10
6	31.7	1	5.3		5.3	22	116.4	22	116.1	15
3	21.6	6	43.5			9	65.3	16	116.1	9
2	20.4	7	71.3	2	20.4	7	71.3	16	163.0	8
26	20.6	39	31.0	7	5.6	58	46.0	109	86.5	66
37	16.2	19	9.4	16	7.9	133	65.5	164	80.7	154
5	21.4	1	4.3	5	21.4	6	25.7	29	124.4	21
3	11.6	2	7.9	2	7.9	10	39.4	14	55.2	21
10	28.1	2	5.6	4	11.2	22	61.7	25	70.2	25
19	16.0	14	11.8	4	3.4	95	79.9	96	80.7	87
17	20.6	10	12.1	4	4.9	61	74.0	77	93.4	89
10	30.4	2	6.1			28	85.1	23	69.9	46
.....	.....	1	13.0	1	13.0	6	77.8	7	90.8	8
5	27.3	3	16.4	2	10.9	12	65.5	23	125.5	21
2	15.0	1	7.5			9	67.5	14	105.0	6
.....	.....	3	29.5	1	9.8	6	58.9	10	98.2	8
20	16.6	9	7.5	12	9.9	72	59.6	87	72.1	65
38	18.1	8	3.8	13	6.2	138	65.6	274	130.2	150
8	33.3	.....		1	4.2	9	37.5	42	175.0	22
2	7.6	.....		2	7.6	6	22.8	34	129.1	12
5	13.5	3	8.1	5	13.5	16	43.2	45	121.6	23
23	18.7	5	4.1	5	4.1	107	87.0	153	124.4	93
17	19.9	1	1.2	5	5.9	60	70.4	125	146.6	103
9	26.5	.....	.....	3	8.8	30	88.2	37	108.8	53
1	12.5	.....	.....	1	12.5	3	37.6	14	175.6	10
3	15.8	.....	.....	.....	.....	20	105.5	36	190.0	17
2	14.5	.....	.....	.....	.....	1	7.3	20	145.1	17
2	19.0	1	9.5	1	9.5	6	57.0	18	170.9	6
21	16.8	7	5.6	8	6.4	78	62.3	149	119.1	47
33	15.6	7	3.3	15	7.1	157	74.4	240	113.8	150
6	24.9	.....	.....	.....	.....	12	49.8	44	182.7	19
.....	.....	1	3.8	3	11.3	9	33.8	23	86.5	16
6	16.2	.....	.....	3	8.1	23	62.2	28	75.8	22
21	17.0	6	4.9	9	7.3	113	91.7	145	117.6	93
14	16.4	1	1.2	7	8.2	69	80.9	109	127.9	90
8	23.5	.....	.....	5	14.7	30	88.2	47	138.2	44
1	12.5	.....	.....	.....	.....	8	100.3	10	125.4	5
4	21.1	.....	.....	1	5.3	9	47.5	19	100.3	23
1	7.3	1	7.3	1	7.3	10	72.6	14	101.6	13
.....	.....	.....	.....	.....	.....	12	113.9	19	180.4	5
19	15.1	6	4.8	8	6.4	88	70.0	131	104.2	60

Table 14.—Continued.—Mortality in Michigan, by geographical sections and groups of

Geographical sections and groups of cities.	Reporting population by U. S. census of 1900.	Total deaths by months, 1903.	Death rates per 1,000 estimated population.	Important ages.					
				Under 1 year.		1 to 4 years.		65 years and over.	
				No.	Per cent.	No.	Per cent.	No.	Per cent.
SEPTEMBER	2,392,439	2,722	13.4	682	25.1	233	8.6	730	26.8
I.—Upper Peninsula	255,871	325	14.0	128	39.4	32	9.8	31	9.5
II.—Northern Counties	290,927	361	14.2	110	30.5	46	12.7	63	17.5
III.—Central Counties	435,041	449	12.5	108	24.1	50	11.1	130	29.0
IV.—Southern Counties	1,410,600	1,587	13.3	336	21.2	105	6.6	506	31.9
All Cities	953,459	1,170	14.2	300	25.6	84	7.2	239	20.4
Over 50,000	373,269	442	13.4	122	27.6	33	7.5	74	16.7
25,000 to 50,000	95,153	101	13.1	23	22.8	7	6.9	28	27.7
10,000 to 25,000	212,890	268	14.6	69	25.7	24	9.0	42	15.7
5,000 to 10,000	153,006	183	13.7	47	25.7	13	7.1	47	25.7
Under 5,000	119,141	176	17.3	39	22.2	7	4.0	48	27.3
Country	1,438,980	1,552	12.9	382	24.6	149	9.6	491	31.6
OCTOBER	2,381,403	2,624	12.5	489	18.6	185	7.1	766	29.2
I.—Upper Peninsula	255,254	279	11.7	92	33.0	28	10.0	29	10.4
II.—Northern Counties	288,892	286	11.0	69	24.1	22	7.7	56	19.6
III.—Central Counties	430,963	414	11.3	84	20.3	35	8.5	114	27.5
IV.—Southern Counties	1,406,294	1,645	13.4	244	14.8	100	6.1	567	34.5
All Cities	946,883	1,161	13.7	215	18.5	96	8.3	266	22.9
Over 50,000	373,269	496	14.6	85	17.1	41	8.3	111	22.4
25,000 to 50,000	95,153	118	14.8	27	22.9	11	9.3	25	21.2
10,000 to 25,000	212,890	266	14.0	50	18.8	19	7.1	61	22.9
5,000 to 10,000	146,430	163	12.4	33	20.2	18	11.0	30	18.4
Under 5,000	119,141	118	11.2	20	16.9	7	5.9	39	33.1
Country	1,434,520	1,463	11.7	274	18.7	89	6.1	500	34.2
NOVEMBER	2,393,494	2,623	12.9	412	15.7	179	6.8	789	30.1
I.—Upper Peninsula	255,703	259	11.2	63	24.3	24	9.3	35	13.5
II.—Northern Counties	289,256	309	12.2	73	23.6	22	7.1	69	22.3
III.—Central Counties	431,162	416	11.7	69	16.6	28	6.7	118	28.4
IV.—Southern Counties	1,417,373	1,639	13.7	207	12.6	105	6.4	567	34.6
All Cities	953,459	1,198	14.5	196	16.4	104	8.7	267	22.3
Over 50,000	373,269	487	14.8	83	17.0	56	11.5	85	17.5
25,000 to 50,000	95,153	108	14.0	12	11.1	16	14.8	26	24.1
10,000 to 25,000	212,890	274	14.9	49	17.9	15	5.5	71	25.9
5,000 to 10,000	153,006	189	14.2	29	15.3	9	4.8	50	26.5
Under 5,000	119,141	140	13.7	23	16.4	8	5.7	35	25.0
Country	1,440,035	1,425	11.8	216	15.2	75	5.3	522	36.6
DECEMBER	2,381,504	2,942	14.1	490	16.7	191	6.5	944	32.1
I.—Upper Peninsula	240,676	283	12.6	86	30.4	37	13.1	37	13.1
II.—Northern Counties	290,196	304	11.6	75	24.7	21	6.9	64	21.1
III.—Central Counties	433,767	439	11.9	64	14.6	31	7.1	141	32.1
IV.—Southern Counties	1,416,865	1,916	15.5	265	13.8	102	5.3	702	36.6
All Cities	953,459	1,383	16.2	264	19.1	106	7.7	366	26.5
Over 50,000	373,269	606	17.8	127	21.0	52	8.6	153	25.2
25,000 to 50,000	95,153	122	15.3	23	18.9	11	9.0	30	24.6
10,000 to 25,000	212,890	296	15.6	60	20.3	21	7.1	71	24.0
5,000 to 10,000	153,006	221	16.0	36	16.3	12	5.4	65	29.4
Under 5,000	119,141	138	13.1	18	13.0	10	7.2	47	34.1
Country	124,089	1,559	12.6	226	14.5	85	5.5	578	37.1

cities, as originally published in the Michigan Monthly Bulletin of Vital Statistics, 1903.

Important causes of death, with annual deaths rates per 100,000 estimated population.

Tuberculosis of lungs.		Other tuberculosis.		Typhoid fever.		Diphtheria.		Croup.		Scarlet fever.	
No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
156	76.7	28	13.8	74	36.4	35	17.2	7	3.4	6	3.0
22	94.9	2	8.6	12	51.8	7	30.2	1	4.3	1	4.3
21	82.6	2	7.9	13	51.1	2	7.9	2	7.9	1	3.9
19	52.9	5	13.9	8	22.3	6	16.7	.....	.....	2	5.6
94	79.0	19	16.0	41	34.5	20	16.8	4	3.4	2	1.7
92	111.6	17	20.6	28	34.0	16	19.4	3	3.6	4	4.8
43	130.7	9	27.4	7	21.3	9	27.4	3	9.1	1	3.0
5	64.8	4	51.9	.....	.....	3	38.9	.....	.....	.....	.....
12	65.5	.....	.....	15	81.8	3	16.4	.....	.....	1	5.5
18	135.0	.....	.....	4	30.0	1	7.5	.....	.....	.....	.....
14	137.4	4	39.3	2	19.6	.....	.....	.....	.....	2	19.6
64	53.0	11	9.1	46	38.1	19	15.7	4	3.3	2	1.7
190	90.8	35	16.7	90	43.0	62	29.6	16	7.6	7	3.3
16	67.0	4	16.7	7	29.3	9	37.7	4	16.7	.....	.....
21	80.4	3	11.5	16	61.3	4	15.3	1	3.8	1	3.8
29	78.9	8	21.8	11	29.9	8	21.8	2	5.4	2	5.4
124	101.2	20	16.3	56	45.7	41	33.5	9	7.3	4	3.3
97	114.6	15	17.7	37	43.7	38	44.9	11	13.0	3	3.5
45	132.3	7	20.6	13	38.2	23	67.6	5	14.7	2	5.9
7	87.8	3	37.6	3	37.6	1	12.5	.....	.....	.....	.....
14	73.9	1	5.3	16	84.4	6	31.7	2	10.6	.....	.....
17	128.9	4	30.3	1	7.6	8	60.7	4	30.3	1	7.6
14	132.9	.....	.....	4	38.0	.....	.....	.....	.....	.....	.....
93	74.6	20	16.0	53	42.5	24	19.2	5	4.0	4	3.2
158	77.7	27	13.3	80	39.3	91	44.7	21	10.3	14	6.9
18	77.7	3	12.9	9	38.8	6	25.9	.....	.....	3	12.9
19	75.2	4	15.8	12	47.5	8	31.6	3	11.9	.....	.....
34	95.6	7	19.7	10	28.1	7	19.7	1	2.8	1	2.8
87	72.8	13	10.9	49	41.0	70	58.6	17	14.2	10	8.4
74	89.8	10	12.1	34	41.2	64	77.6	12	14.6	3	3.6
36	109.4	4	12.2	15	45.6	48	145.9	6	18.2	1	3.0
8	103.7	1	13.0	4	51.9	1	13.0	2	25.9	.....	.....
17	92.7	3	16.4	7	38.2	6	32.7	2	10.9	.....	.....
9	67.5	2	15.0	2	15.0	7	52.5	1	7.5	1	7.5
4	39.3	.....	.....	6	58.9	2	19.6	1	9.8	1	9.8
84	69.4	17	14.0	46	38.0	27	22.3	9	7.4	11	9.1
158	75.5	33	15.8	48	22.9	75	35.8	21	10.0	17	8.1
21	93.2	2	8.9	4	17.8	11	48.8	4	17.8	.....	.....
16	61.0	3	11.4	4	15.2	4	15.2	3	11.4	2	7.6
19	51.4	5	13.5	4	10.8	10	27.0	5	13.5	3	8.1
102	82.7	23	18.6	36	29.2	50	40.5	9	7.3	12	9.7
81	95.0	18	21.1	26	30.5	45	52.8	11	12.9	10	11.7
37	108.8	8	23.5	11	32.3	29	85.3	6	17.6	7	20.6
10	125.4	.....	.....	2	25.1	3	37.6	2	25.1	1	12.5
16	84.4	4	21.1	5	26.4	4	21.1	1	5.3	1	5.3
11	79.8	5	36.3	4	29.0	7	50.8	1	7.3	.....	.....
7	66.5	1	9.5	4	38.0	2	19 0	1	9.5	1	9.5
77	62.1	15	12.1	22	17.7	30	24.2	10	8.1	7	5.6

DEATHS AND DEATH RATES, BY GEOGRAPHICAL SECTIONS, 1903.

It was shown in the discussion of a preceding table (Table 8) that the monthly death rates, as printed in the *Michigan Monthly Bulletin of Vital Statistics* during the year 1903, were practically correct, so far as the addition of delayed returns is concerned.

The geographical sections shown in this table are the same that are referred to in the meteorological statistics given in subsequent pages of the present report.

In Table 14, besides the total death rates for the State, geographical sections and groups of cities, together with the townships and villages taken together under the designation "country," important ratios are given for the number of deaths returned of infants under one year of age, children aged one to four years, both inclusive, and elderly persons aged sixty-five years and over, for each month of the year. The table also shows the deaths returned and the death rates based thereon for certain of the most important diseases that the State Board of Health is required by law to restrict.

DEATHS IN CITIES OF MICHIGAN, 1903.

Table 15 shows the number of deaths reported for 1903 from each city of the State, together with the population as given by the United States Census of 1900. The total urban population of the State, including in this designation such small towns as Gladwin, 775; Harrison, 647; Mackinac Island, 665; and North Muskegon, 513, places which have few of the requisites of a city except the possession of a city charter, is 943,184, and the total number of deaths returned from these cities for the year was 14,223, exclusive of stillbirths. The death rate was 14.2 per thousand estimated population.

The group of cities over 50,000 population consists of only two; Detroit with a death rate of 14.6 and Grand Rapids with a death rate of 12.4 for the year.

Cities from 25,000 to 50,000 population, which list now includes Jackson, shows the lowest recorded mortality in the State, being 13.3 per thousand estimated population.

The group of cities from 10,000 to 25,000 population has a rate of 15.0 per thousand, Sault Ste. Marie having the highest, 21.2 per thousand, and Manistee the lowest, 10.8 per thousand.

The cities from 5,000 to 10,000 population show a death rate of 14.3. The maximum death rate in this group, 21.0 per thousand, is that of the city of Pontiac, and the minimum mortality belongs to Ludington, with a rate of 8.3 per thousand estimated population.

Cities under 5,000 population, which are hardly included in the class of cities as usually studied in registration reports, show a lower mortality, 13.9, than the preceding group. There are, moreover, greater variations in the rates for the individual cities.

Table 15.—Cities of Michigan, grouped in order of population by U. S. census of 1900, with deaths and death rates per 1,000 estimated population. (Stillbirths excluded).

Cities.	Population by U. S. census of 1900.	Deaths returned 1903.	Death rates per 1,000 estimated population.*
TOTAL CITIES	943,184	14,223	14.2
CITIES OVER 50,000 POPULATION	373,269	5,691	14.1
Detroit	285,704	4,531	14.6
Grand Rapids	87,565	1,160	12.4
CITIES FROM 25,000 TO 50,000 POPULATION	95,153	1,312	13.3
Bay City	27,628	388	14.0
Jackson	25,180	338	13.4
Saginaw	42,345	586	12.9
CITIES FROM 10,000 TO 25,000 POPULATION	212,890	3,342	15.0
Alpena	11,802	172	14.0
Ann Arbor	14,509	224	15.4
Battle Creek	18,563	394	18.5
Flint	13,103	215	14.9
Ishpeming	13,255	173	14.4
Kalamazoo	24,404	505	17.8
Lansing	16,485	218	11.3
Manistee	14,260	142	10.8
Marquette	10,058	190	18.1
Menominee	12,818	183	15.9
Muskegon	20,818	263	12.6
Port Huron	19,158	267	13.5
Sault Ste. Marie	10,538	238	21.2
West Bay City	13,119	158	12.1
CITIES FROM 5,000 TO 10,000 POPULATION	153,006	2,301	14.3
Adrian	9,654	165	15.8
Benton Harbor	6,562	90	13.5
Cadillac	5,997	70	10.5
Cheboygan	6,489	78	11.7
Coldwater	6,216	76	12.2
Escanaba	9,549	173	16.2
Holland	7,790	86	9.9
Ionia	5,209	63	12.1
Iron Mountain	9,242	132	15.1
Ironwood	9,705	173	17.4
Ludington	7,166	60	8.3
Monroe	5,043	77	13.1
Mt. Clemens	6,576	93	13.3
Negaunee	6,935	97	14.2
Owosso	8,606	117	13.0
Petoskey	5,285	65	12.5
Pontiac	9,769	223	21.0
St. Joseph	5,155	67	12.7
Traverse City	9,407	192	17.8
Wyandotte	5,183	100	18.6
Ypsilanti	7,378	104	13.8
CITIES UNDER 5,000 POPULATION	108,866	1,577	13.9
Albion	4,519	70	14.5
AuSable	1,116	14	14.5
Belding	3,282	34	9.5
Bessemer	3,911	57	17.2
Big Rapids	4,686	79	16.4
Charlotte	4,092	82	18.0
Clare	1,326	21	15.1
Corunna	1,510	29	18.4
Crystal Falls	3,231	44	14.5
Dowagiac	4,151	56	12.9
East Tawas	1,736	18	10.0
Eaton Rapids	2,103	33	15.2
Gladstone	3,380	30	8.6
Gladwin	775	8	7.9
Grand Haven	4,743	72	14.1
Grand Ledge	2,161	35	14.8
Greenville	3,381	41	12.0
Harrison	647	4	7.0
Hastings	3,172	33	9.5
Hillsdale	4,151	64	13.8
Hudson	2,403	31	13.3
Lapeer	3,297	58	17.0
Mackinac Island	665	6	8.4
Manistique	4,126	59	13.2
Marine City	3,829	64	16.9
Marshall	4,370	63	14.4
Mason	1,828	24	12.5
Midland	2,363	31	12.5
Mt. Pleasant	3,662	39	9.1
Niles	4,287	72	15.8
North Muskegon	513	10	22.3
Norway	4,170	70	14.9
St. Clair	2,543	25	9.5
St. Ignace	2,271	27	12.7
St. Louis	1,989	41	17.3
Stanton	1,234	20	17.4
Sturgis	2,465	37	14.4
Tawas City	1,228	19	15.3
Three Rivers	3,550	57	14.9

*Population estimated on basis of average annual increase between U. S. census of 1900 and State census of 1904.

SECTION II.—CAUSES OF DEATH IN MICHIGAN DURING THE YEAR 1903.

The most important part of a registration report consists of the statistics relating especially to individual causes of deaths, because without a knowledge of the prevalence of different diseases, intelligent efforts cannot be made for their restriction and prevention on the part of sanitary authorities; or, if such efforts are made, it cannot be definitely known with what measure of success or failure they have been attended. Accurate vital statistics are considered absolutely essential instruments of modern sanitary progress, and no class of information collected under this head is of such paramount importance as the knowledge of the mortality from individual diseases and groups of diseases.

A tabular exhibition of the deaths and death rates from each cause of death in Michigan for the year 1903, according to the Bertillon classification, may be found in Table 16, and a condensed list, showing the mortality by the geographical sections of the State for the months of the year and also for the various age periods is given in Table 17.

Examination of the deaths in Table 16 will show that many of the causes are quite insignificant as regards number, and that very little sacrifice of statistical completeness would be made by their entire omission or rather inclusion under some more general title. While the number of titles should be abbreviated, the general outline of the classification in its extended form should be scrupulously preserved, so that comparisons may be accurately made. This cannot be done when certain diseases are left out of their proper positions by being relegated to the unclassified list at the end of the table, as the proportion of the preceding groups is thereby destroyed. Hence Table 17 was devised for the purpose of showing the general relations of the causes of death in the State during the year in a correct manner, but greatly abridged from the longer classification.

Table 10.—Deaths in Michigan during the year 1903, according to the detailed international classification of causes of death, with rates per 100,000 estimated population.

Classification number.	Causes of death.	Number of deaths, 1903.	Death rates per 100,000 estimated population.
	ALL CAUSES	33,176	1,325.6
	GENERAL DISEASES.		
	I. EPIDEMIC DISEASES	*2,903*	*116.0*
1	Typhoid fever	577	23.1
	Typho-malarial fever	29	1.2
2	Typhus fever	.....	.....
3	Relapsing fever	.....	.....
4	Malarial fever	61	2.4
5	Smallpox	29	1.2
6	Measles	176	7.0
7	Scarlet fever	200	8.0
8	Whooping cough	383	15.3
	Diphtheria	567	22.7
9	Croup	39	1.6
	Membranous croup	80	3.2
10	Influenza	480	19.2
11	Miliary fever	.....	.....
12	Asiatic cholera	.....	.....
13	Cholera nostras	32	1.3
14	Dysentery	135	5.4
15	Bubonic plague	.....	.....
16	Yellow fever	.....	.....
17	Leprosy	.....	.....
18	Erysipelas	103	4.1
	Chicken pox	6	0.2
19	German measles	2	0.0
	Mumps	3	0.1
	Protozoa	1	0.0
	II. OTHER GENERAL DISEASES	*5,513*	*220.3*
20	Septicemia	151	6.0
21	Glanders	.....	.....
22	Malignant pustule	2	0.0
23	Rabies	2	0.0
24	Actinomycosis	.....	.....
25	Pellagra	.....	.....
	Tuberculosis	*2,548*	*101.8*
26	Larynx	29	1.2
27	Lungs	2,155	86.1
28	Meninges	114	4.5
29	Abdominal	115	4.6
30	Potts disease	30	1.2
31	Tuberculous abscess	3	0.1
32	White swelling	21	0.8
33	Other organs	36	1.4
34	General	45	1.8
35	Scrofula	14	0.6
36-38	Venereal diseases	130	5.2
	Cancer	*1,694*	*67.7*
39	Mouth	51	2.0
40	Stomach and liver	681	27.2
41	Intestines	163	6.5
42	Genital organs	232	9.3
43	Breast	128	5.1
44	Skin	91	3.6
45	Other organs	348	13.9
46	Tumors	56	2.2
47, 48	Rheumatism	236	9.4
49	Scurvy	5	0.2
50	Diabetes	265	10.6
51	Exophthalmic goiter	30	1.2
52	Addison's disease	18	0.7
53, 54	Anemia, leukemia	230	9.2
55	Other general diseases	10	0.4
56	Alcoholism	102	4.1
57-59	Chronic poisonings	20	0.8

Table 16 Continued.—Deaths in Michigan during the year 1903, according to the detailed international classification of causes of death, with rates per 100,000 estimated population.

Classification number	Causes of death.	Number of deaths, 1903.	Death rates per 100,000 estimated population.
	LOCAL DISEASES.		
	III. Diseases of Nervous System	*4,077*	*162.9*
60	Encephalitis	60	2.4
61	Meningitis	382	15.3
62	Locomotor ataxia	65	2.6
63	Other diseases of spinal cord	123	4.9
64	Apoplexy	1,390	55.5
65	Softening of brain	88	3.5
66	Paralysis	843	33.7
67	General paralysis of insane	138	5.5
68	Other forms of mental disease	95	3.8
69	Other diseases of the brain	58	2.3
70	Epilepsy	144	5.8
71	Convulsions	483	19.3
72	Tetanus	58	2.3
73	Other diseases of nervous system	150	6.0
	IV. Diseases of Circulatory System	*3,969*	*158.6*
74	Pericarditis	54	2.2
75	Endocarditis	134	5.4
76	Heart disease	3,297	131.7
77	Angina pectoris	217	8.7
78	Diseases of arteries	162	6.5
79	Embolism and thrombosis	48	1.9
80	Disease of veins	5	0.2
81	Disease of lymphatics	3	0.1
82	Other diseases of circulatory system	49	2.0
	V. Diseases of Respiratory System	*3,948*	*157.7*
83	Laryngitis	14	0.6
84	Other diseases of larynx	34	1.4
85	Diseases of thyroid body	7	0.3
86	Acute bronchitis	470	18.8
87	Chronic bronchitis	331	13.2
88	Bronchopneumonia	588	23.5
89	Pneumonia	2,019	80.7
90	Pleurisy	76	3.0
91	Congestion of lungs	173	6.9
92	Congestion of lungs	7	0.3
93	Asthma and Emphysema	101	4.0
94	Hemorrhage of lungs	35	1.4
95	Other diseases of respiratory system	93	3.7
	VI. Diseases of Digestive System	*4,258*	*169.9*
96	Diseases of mouth	34	1.4
97	Ascaritis	26	1.0
98	Other diseases of pharynx	35	1.4
99	Ulcer of stomach	77	3.1
100	Gastritis	198	7.9
101	Other diseases of stomach	268	10.7
102	Diarrhoea	8	0.3
103	Diarrhoea and enteritis (under 2 years)	1,664	66.5
104	Diarrhoea and enteritis (over 2 years)	451	18.0
105	Ileus	72	2.9
106	Obstruction of intestines	215	8.6
107	Other diseases of intestines	81	3.2
108	Acute yellow atrophy of liver	8	0.3
109	Hepatic abscess of liver	2	0.1
110	Cirrhosis of liver	254	10.1
111	Fatty liver	64	2.6
112	Other diseases of liver	196	7.8
113	Peritonitis	13	0.5
114	Appendicitis	304	12.1
115	Appendicitis	278	11.1
116	Other diseases of digestive system	4	0.2
	VII. Diseases of Genito-Urinary System	*1,879*	*75.1*
117	Nephritis	134	5.4
118	Bright's disease	1,279	51.1
119	Other diseases of kidneys	73	2.9
120	Stone in urinary tract	8	0.3
121	Diseases of bladder	136	5.4
122	Prostatitis	27	1.1

Table 16.—Concluded.—Deaths in Michigan during the year 1903, according to the detailed international classification of causes of death, with rates per 100,000 estimated population.

Classification number.	Causes of death.	Number of deaths, 1903.	Death rates per 100,000 estimated population.
	VII. Diseases of Genito-urinary System.—*Continued.*		
127, 128, 130	Other diseases of uterus	58	2.3
131	Ovarian tumor	29	1.2
124, 126	Diseases of tubes	11	0.4
132, 133	Other diseases of genito-urinary system	124	5.0
	VIII. Childbirth	*427*	*17.1*
137	Puerperal septicemia	192	7.7
138	Puerperal convulsions	87	3.5
134–136, 139–141	Other causes incident to childbirth	148	5.9
	IX. Diseases of Skin	*190*	*7.6*
142	Gangrene	112	4.5
143	Carbuncle	12	0.5
144	Abscess	38	1.5
145	Other diseases of skin	28	1.1
	X. Diseases of Locomotor System	*48*	*1.9*
146	Diseases of bones	37	1.5
147	Diseases of joints	8	0.3
148, 149	Other diseases of locomotor system	3	0.1
	XI. Malformations	*329*	*13.1*
150	Hydrocephalus	32	1.3
	Congenital malformations of heart (cyanosis)	116	4.6
	Other congenital malformations	181	7.2
	XII. Early Infancy	*1,398*	*55.9*
151, 153	Premature birth	542	21.7
	Congenital debility	856	34.2
	XIII. Old Age	*1,038*	*41.5*
154	Old age	1,038	41.5
	XIV. Violence	*2,381*	*95.1*
	Suicide	*246*	*9.8*
155	Poison	68	2.7
156	Asphyxia	4	0.2
157	Hanging	49	2.0
158	Drowning	22	0.9
159	Firearms	68	2.7
160	Cutting instruments	21	0.8
161	Jumping from high places	.....	.....
162	Crushing	.....	.....
163	Other or unspecified means	14	0.6
	Accidents	*2,105*	*84.1*
164, 165	Fractures and dislocations	256	10.2
167	Burns and scalds	156	6.2
169	Heat and sunstroke	17	0.7
170	Cold and freezing	11	0.4
(171)	Lightning	28	1.1
172	Drowning	254	10.1
174	Inhalation of poisonous gases	20	0.8
175	Other accidental poisonings	125	5.0
	Accidental gunshot wounds	117	4.7
	Injuries by machinery	37	1.5
166	Injuries in mines and quarries	92	3.7
	Railroad accidents and injuries	311	12.4
	Injuries by vehicles and horses	62	2.5
	Injuries by electric cars	51	2.0
	Suffocation	54	2.0
166, 168, (171), 176	Other accidental injuries	426	17.0
	Injuries at birth	88	3.5
	Homicide	*30*	*1.2*
176	Homicide	30	1.2
	XV. Ill-Defined Diseases	*824*	*32.9*
177	Dropsy	153	6.1
	Heart failure	123	4.9
178, 179	Other ill-defined diseases	264	10.5
	Unknown (or unspecified)	284	11.3

Table 17.—Causes of death in Michigan, by months and ages.

Line number.	Causes of death, 1903.	Total deaths, 1903.	Rate per 100,000 estimated population.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	33,176	1,325.6	2,888	2,775	3,072	2,789	2,744	2,344	2,681	2,815	2,755	2,648	2,664	3,001
2	Typhoid fever	606	24.2	48	35	52	36	42	24	27	47	73	90	84	48
3	Malarial fever	61	2.4	5	2	7	8	4	4	5	5	5	6	7	3
4	Smallpox	29	1.2	7	5	2	3	1	5	2	2	1	1	.....	.....
5	Measles	176	7.0	15	17	30	23	27	17	13	2	2	3	7	20
6	Scarlet fever	200	8.0	36	17	21	15	26	9	12	15	7	7	16	19
7	Whooping cough	383	15.3	42	31	35	37	31	30	42	42	24	16	26	27
8	Diphtheria and croup	686	27.4	62	52	31	41	43	55	38	38	43	78	110	95
9	Influenza	480	19.2	38	63	125	81	53	20	5	5	9	11	17	53
10	Dysentery	135	5.4	1	3	2	1	2	3	14	30	42	27	6	4
11	Erysipelas	103	4.1	9	9	8	7	11	10	9	5	6	5	9	15
12	Other epidemic diseases	44	1.8	1	.....	1	2	3	2	8	11	9	3	2	2
13	Tuberculosis of lungs	2,155	86.1	177	185	203	199	203	179	165	161	160	200	164	159
14	Other forms of tuberculosis	393	15.7	25	35	42	29	32	28	43	30	31	38	26	34
15	Cancer	1,694	67.7	146	125	144	127	133	133	143	159	157	136	139	152
16	Rheumatism	236	9.4	25	14	23	30	13	22	13	18	19	20	26	13
17	Diabetes	265	10.6	23	16	18	25	22	13	19	25	18	22	29	35
18	Other general diseases	770	30.8	63	57	69	72	70	55	78	52	63	55	62	74
19	Meningitis	382	15.3	26	34	44	24	41	31	34	27	30	29	29	33
20	Apoplexy	1,390	55.5	126	113	138	118	135	121	101	99	99	105	106	129
21	Paralysis	843	33.7	78	73	65	69	67	52	72	74	67	73	77	76
22	Convulsions	483	19.3	39	37	52	36	50	43	48	34	35	31	47	31
23	Other nervous diseases	979	39.1	81	63	88	79	78	84	94	77	71	82	90	92
24	Heart disease	3,297	131.7	297	299	300	296	261	269	254	233	223	278	282	305
25	Other circulatory diseases	672	26.9	62	60	63	55	64	60	57	52	33	54	45	67
26	Bronchitis	801	22.0	99	120	99	50	74	48	37	39	39	47	71	69
27	Bronchopneumonia	588	23.5	81	76	83	67	43	29	21	24	16	25	43	80
28	Pneumonia	2,019	80.7	271	275	287	217	190	85	59	66	67	94	142	266
29	Other respiratory diseases	540	21.6	61	60	48	65	41	22	36	42	35	39	43	48
30	Diseases of stomach	543	21.7	48	48	37	38	42	40	44	43	68	39	38	58
31	Diarrhea and enteritis, under 2 years	1,664	66.5	63	34	56	36	50	65	266	369	409	178	76	53
32	Diarrhea and enteritis, over 2 years	451	18.0	18	23	19	25	14	26	47	64	95	57	30	33
33	Hernia and obstructions of bowels	287	11.5	22	21	23	37	25	20	18	20	24	27	25	25
34	Cirrhosis of liver	254	10.1	18	21	21	26	20	20	23	22	19	18	20	26
35	Other liver diseases	270	10.8	18	24	30	30	26	24	15	28	16	17	21	21
36	Peritonitis	304	12.1	30	27	29	23	19	27	20	32	26	18	25	28
37	Appendicitis	278	11.1	20	13	31	20	24	21	27	23	35	26	15	23
38	Other digestive diseases	201	8.0	13	17	25	22	15	13	8	12	17	15	27	17
39	Bright's disease	1,279	51.1	118	83	112	100	117	108	116	118	96	96	107	108
40	Other genito-urinary diseases	600	24.0	63	60	47	63	55	31	42	47	43	53	42	54
41	Puerperal septicemia	192	7.7	19	19	23	21	16	14	16	16	13	14	12	9
42	Other puerperal diseases	235	9.4	14	21	19	29	23	19	22	18	14	14	18	24
43	Skin diseases	190	7.6	14	18	14	29	21	15	13	15	11	9	19	12
44	Diseases locomotor system	48	1.9	6	3	5	5	2	6	6	2	2	3	2	6
45	Malformations	329	13.1	27	43	27	27	27	17	24	23	34	28	29	23
46	Premature birth	542	21.7	29	42	54	45	38	52	53	49	39	42	44	55
47	Congenital debility	856	34.2	61	62	66	77	67	71	75	94	79	67	62	75
48	Old age	1,038	41.5	112	92	100	90	81	67	71	90	78	72	82	106
49	Suicides	246	9.8	22	11	24	17	26	25	27	24	13	27	15	15
50	Accidents	2,105	84.1	131	137	140	138	199	154	248	236	166	185	183	188
51	Homicides	30	1.2	2	.....	4	2	3	2	1	3	1	1	7	4
52	Causes ill-defined	824	32.9	70	80	86	68	65	57	50	53	73	67	60	89

for the State and geographical sections, 1903.—STATE.

Ages in years under five.					Ages of decedents, 1903. Ages for five-year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Line number.
6488	1080	513	375	253	8,709	894	658	968	1285	1212	1116	1157	1225	1249	1371	1592	1802	2203	2382	2240	3040	73	1
3	15	7	10	5	40	31	50	91	87	75	40	31	35	31	29	17	11	18	15	2	2	1	2
6	2	1	....	....	9	1	2	2	5	3	2	1	7	3	2	5	4	1	6	4	4	....	3
13	1	....	....	1	15	....	1	....	1	4	2	3	....	....	1	....	....	1	....	....	1	....	4
42	41	19	11	10	123	20	7	6	3	5	4	3	2	....	....	1	1	....	1	....	....	....	5
15	13	22	25	22	97	70	15	6	7	2	1	1	....	1	....	....	....	....	....	....	....	....	6
243	80	25	13	8	369	11	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
49	68	71	82	69	339	229	67	24	11	3	3	4	2	2	1	....	....	....	1	....	....	....	8
36	6	3	3	2	50	12	4	8	4	7	9	15	10	21	13	20	31	39	64	74	97	2	9
37	11	6	3	4	61	2	....	....	....	2	2	1	....	1	....	4	5	11	11	17	18	....	10
26	....	....	....	....	26	....	1	2	3	2	3	5	4	3	7	7	5	11	7	10	7	....	11
12	....	3	2	....	17	3	1	1	....	1	....	....	3	....	1	1	2	2	3	6	2	1	12
32	11	10	3	4	60	16	41	221	360	314	250	187	153	122	114	84	76	71	33	32	18	3	13
42	21	6	6	8	83	26	23	40	40	36	24	17	22	11	17	16	14	6	11	3	4	....	14
5	1	....	1	1	8	5	1	5	6	22	30	73	107	154	197	232	232	209	186	123	103	1	15
1	....	....	....	1	2	10	11	12	5	6	8	11	13	13	16	17	19	26	29	21	16	1	16
1	....	1	1	....	3	5	20	11	4	14	8	13	8	17	20	24	42	22	25	17	12	....	17
130	16	4	2	5	157	9	11	18	32	42	58	45	49	57	54	62	45	40	37	28	24	2	18
136	36	19	20	8	219	33	27	19	14	13	11	9	7	5	3	3	6	5	5	....	3	....	19
32	5	8	2	2	49	8	5	7	10	16	16	25	45	62	89	122	136	220	219	181	176	4	20
9	4	....	....	1	14	5	3	5	2	2	3	6	12	30	38	46	78	111	137	142	207	2	21
411	25	9	3	3	451	3	6	3	3	3	1	1	....	1	2	....	2	1	3	1	2	....	22
60	16	6	6	4	92	26	46	35	47	26	25	52	54	60	75	74	65	72	69	82	74	5	23
59	10	3	5	2	79	30	26	35	48	55	71	94	130	147	175	250	334	418	499	445	455	6	24
29	5	1	....	3	38	6	10	10	17	15	20	20	26	26	25	65	59	90	86	72	85	2	25
296	61	21	15	10	403	14	3	6	5	5	4	11	10	8	8	17	29	42	60	60	114	2	26
258	85	33	21	7	404	19	3	2	7	1	8	7	7	4	8	9	15	15	21	26	31	1	27
499	112	44	25	14	694	45	39	57	63	60	56	66	79	82	80	93	97	132	109	115	148	4	28
101	11	9	14	6	141	15	10	14	15	17	20	17	11	25	19	22	33	49	36	49	45	2	29
153	18	10	4	3	188	4	3	1	6	11	9	16	16	20	20	33	28	45	45	45	53	....	30
1378	286	....	....	....	1,664	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	....	92	40	12	144	14	9	10	10	6	13	5	9	12	13	18	32	30	48	28	50	....	32
39	6	1	2	1	49	12	6	5	9	10	6	10	15	9	17	19	17	24	32	26	21	....	33
2	1	....	....	....	3	....	1	2	3	6	8	13	19	18	22	29	37	42	27	16	8	....	34
10	5	1	....	....	16	3	2	6	....	3	12	12	17	18	15	22	27	30	31	26	30	....	35
19	3	1	4	3	30	17	19	23	33	35	32	26	19	10	13	9	11	11	7	9	....	....	36
1	....	1	2	3	7	36	38	39	38	27	24	17	11	6	10	8	3	4	4	3	3	....	37
54	6	5	6	4	75	7	5	3	7	7	9	3	5	12	6	8	7	10	13	9	15	....	38
26	5	8	7	1	47	18	17	20	32	29	43	48	61	79	78	109	132	145	165	141	115	....	39
30	2	4	4	2	42	12	11	17	34	24	34	22	25	31	32	20	30	52	57	66	91	....	40
....	....	....	....	....	....	....	....	17	51	42	38	32	12	....	....	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	....	19	48	40	46	52	25	4	....	1	....	....	....	....	....	....	42
30	1	2	....	....	33	4	....	6	4	2	4	3	3	5	4	4	7	17	27	21	46	....	43
10	5	1	1	1	18	4	2	2	2	2	....	1	2	1	2	2	4	1	3	1	....	1	44
312	10	4	1	....	327	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
542	....	....	....	....	542	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
856	....	....	....	....	856	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46	101	191	699	1	48
....	....	....	....	....	....	....	2	8	20	26	28	25	21	21	18	20	14	13	12	8	7	3	49
165	52	46	27	21	311	96	105	136	174	171	120	134	137	98	101	79	63	74	82	70	120	25	50
2	2	....	....	1	5	....	....	1	2	9	1	5	3	1	....	2	1	....	....	....	....	....	51
276	22	6	4	1	309	11	4	11	13	11	10	15	29	18	26	18	48	47	55	70	125	4	52

Table 17.—Continued.—Causes of death in Michigan, by months and ages.

Number.	Causes of death, 1903.	Total deaths, 1903.	Rate per 100,000 estimated population.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	3,619	1,330.6	283	264	337	288	310	274	299	307	335	284	265	313
2	Typhoid fever	74	27.2	9	8	6	3	9	3	4	2	11	6	9	4
3	Malarial fever	1	0.4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
4	Smallpox	4	1.5	1	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....
5	Measles	24	8.8	2	7	3	4	1	1	5	.....	1	.....	.....	.....
6	Scarlet fever	44	16.2	8	3	6	4	6	4	2	4	2	.....	3	2
7	Whooping cough	92	33.8	5	5	3	7	7	5	8	9	10	4	11	18
8	Diphtheria and croup	108	39.7	10	8	6	9	6	9	9	6	8	14	6	17
9	Influenza	19	7.0	1	1	3	6	3	2	.....	.....	1	.....	2	.....
10	Pneumonia	16	5.9	.....	1	1	.....	1	1	3	2	5	.....	1	1
11	Erysipelas	9	3.3	.....	.....	2	.....	3	.....	1	.....	.....	1	1	1
12	Other epidemic diseases	5	1.8	.....	.....	.....	.....	1	.....	2	.....	1	.....	.....	1
13	Tuberculosis of lungs	273	100.4	22	20	24	26	27	27	16	27	21	19	20	24
14	Other tuberculous diseases	57	21.0	6	4	5	7	5	6	10	1	2	5	3	3
15	Cancer	111	40.8	9	14	14	3	10	6	9	12	8	7	13	6
16	Diabetes	12	4.4	1	3	.....	.....	1	3	.....	1	1	1	.....	1
17	Alcoholism	13	4.8	.....	.....	2	1	5	.....	.....	2	.....	1	1	1
18	Other general diseases	74	27.2	8	7	9	8	7	3	7	8	6	3	4	4
19	Meningitis	61	22.4	4	5	5	4	3	5	8	6	6	3	4	8
20	Apoplexy	80	29.4	4	5	14	6	9	7	9	1	7	4	5	9
21	Paralysis	32	11.8	..	3	4	2	4	1	5	3	3	1	2	4
22	Convulsions	73	26.8	7	6	9	3	7	6	1	5	6	11	8	4
23	Other diseases of the nervous system	66	24.3	2	3	2	10	6	5	10	7	2	7	4	8
24	Heart disease	182	66.9	15	16	19	7	16	18	16	17	14	19	14	11
25	Other diseases of the circulatory system	43	15.8	5	3	5	4	9	4	2	3	3	2	.....	3
26	Bronchitis	135	49.6	12	14	11	16	19	10	5	9	4	7	9	19
27	Pneumonia	84	30.9	14	10	10	7	9	5	3	3	4	3	7	9
28	Consumption	192	70.1	25	25	34	26	14	10	2	8	8	10	17	28
29	Other diseases of the respiratory system	40	10.9	4	4	6	5	1	1	2	6	5	3	3	6
30	Ulcer of stomach	41	15.1	3	2	4	1	5	4	5	3	7	3	2	2
31	Diarrhœa and enteritis	334	123.0	16	10	17	10	14	11	42	87	71	32	17	10
32	Other diseases of the digestive system	38	14.0	2	4	3	3	1	1	2	6	5	9	1	1
33	Bright's disease	24	8.8	1	3	3	5	.....	2	2	1	3	2	1	1
34	Other diseases of the urinary system	25	9.2	2	.....	3	3	1	1	2	1	2	4	4	2
35	Puerperal fever	13	4.8	1	.....	1	1	2	2	.....	2	1	.....	3	.....
36	Other puerperal diseases	25	9.2	4	2	2	1	1	2	1	3	4	2	2	1
37	Accidents	34	12.5	3	1	8	1	3	5	3	4	2	2	1	1
38	Other diseases of the skin and bones	21	7.7	1	2	1	3	.....	6	.....	4	.....	1	3	.....
39	Infancy	78	28.7	7	5	4	6	8	5	5	13	8	5	6	6
40	Old age	32	1.8	4	1	1	3	4	3	3	4	.....	.....	4	5
41	Cancer of the stomach	25	9.2	4	.....	6	2	2	4	1	1	1	2	1	1
42	Other diseases of the digestive system	33	12.1	1	2	3	5	1	2	4	4	3	3	4	1
43	Cancer of the liver	12	4.4	1	1	2	2	1	.....	2	1	1	.....	.....	1
44	Cancer of the bladder	6	2.2	1	.....	.....	2	.....	1	.....	1	.....	1	.....	.....
45	Other diseases of the genito-urinary system	37	13.6	2	7	1	1	3	4	4	4	4	3	4	.....
46	Cancer of the uterus	106	39.0	6	5	19	7	7	6	12	8	8	11	6	11
47	Other diseases of the female organs	153	56.3	6	7	13	17	14	20	11	15	17	8	10	15
48	Childbirth	54	19.9	9	2	5	3	3	5	3	5	3	4	6	6
49	Premature birth	24	8.8	.....	1	.....	2	4	2	5	3	1	2	1	3
50	Diseases of infancy	397	146.0	25	21	28	23	32	28	41	44	40	47	33	35
51	Cancer of the liver	5	1.8	.....	.....	.....	.....	1	.....	.....	.....	1	.....	3	.....
52	Other diseases of old age	154	56.6	10	12	9	18	14	18	12	10	14	12	6	19

for the State and geographical sections, 1903.—Upper Peninsula.

Ages of decedents, 1903.

Ages in years under five.					Ages for five-year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Line number.
1137	206	77	75	45	1,542	145	83	124	182	213	148	147	160	129	98	105	108	121	103	92	106	13	1
1	1	1	2	1	6	9	6	10	11	14	8	2	4	1		1		1	1				2
1					1																		3
3					3					1													4
6	7	3	4		20	1	1	1				1								1			5
1	3	6	10	4	24	14	5		1														6
54	27	4	1	4	90	2																	7
8	12	5	14	11	50	45	9	2	2														8
			1		1	2		1				1				3	3	1	4	2	1		9
9				1	10	1						1				1		1		2			10
3					3									1	1		2		1	1			11
3					3															1		1	12
4		2	1	2	9	3	8	30	42	52	25	26	19	11	11	9	11	4	3	1			13
7	7	2	2	2	20	7	6	6	6	4	1	1	2			2	1	1					14
	1				1			1	1	3	4	10	10	13	10	14	12	12	8	9	3		15
							2		2		1		1	1	2				2		1		16
							1	2					1	2	3	1	1			2			17
7	3				10			2	3	6	12	8	8	7	5	5	2	1	1	2	1	1	18
19	10	3	4		36	5	4	1	3	4	3	3		1					1				19
6		2			8		1	1		1	3	2	6	7	4	6	5	15	5	7	8	1	20
1	1				2	1			1	1		2		3	1		2	9	3	3	4		21
65	4	1	1		71					1											1		22
8	4	1	1		14	2	2		3	3	3	3	2	7	8	7	4	2	3	2		1	23
1	2				3	3	3	6	4	5	7	10	13	20	12	16	18	19	21	16	6		24
3				1	4	1	2		1	4	2		1	4	4	2	2	5	2	3	5	1	25
76	22	5	3	1	107	3	1	1				1	2		2	2	3	3	2	2	6		26
47	17	3	4	2	73	4			2		1							1			3		27
56	18	8	6	2	90	5	4	7	12	14	7	8	12	9	9	6	7	5	4	5	3		28
9	1	1	5		16	3	1	1	3	2	1	2		2	1	3	2	3	2		4		29
11	2	3	2		18					1		2	1	1	1	2	1	3	2	3	6		30
291	46				337																		31
		12	5	2	19	1			1		1	1		2	1		6	2	2	1	1		32
4					4	2	2	1	2	1	1	2	1			3			2	2	1		33
										1	1		3	4		2	4	8	1	1			34
1		1			2	1				1		3	1		2	1	1	1					35
2	1			1	4	1		1	3	3	3	1	2	3	1	1		1	1				36
				1	1	6	2	5	5	3	5	3	1	1		1	1						37
9	2	1	1	2	15	2				1			2				1						38
3	1	1			5	2	5	2		2	7	4	9	4	1	3	5	6	11	5	4		39
4		1	1		6	2			1	2	1	3		2	1	1	2	2	2	4	3		40
								1	6	10	3	4	1										41
								3	5	4	7	6	6	2									42
5	1	1			7	1		1						1				1			1		43
3	3				6																		44
37					37																		45
106					106																		46
153					153																		47
																		4	6	13	30	1	48
								1		4	3	4	7	2			1		2				49
23	6	8	6	8	51	14	17	25	58	61	36	31	37	18	14	5	7	6	5	1	7	4	50
										1		2	1			1							51
87	6	2	1		96	2	1	3	4	3	2		7		4	7	4	4	3	4	7	3	52

Table 17.—Continued.—Causes of death in Michigan, by months and ages.

Line number.	Causes of death, 1903.	Total deaths, 1903.	Rate per 100,000 estimated population.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	3,693	1,171.1	347	284	307	308	282	249	307	329	365	294	314	307
2	Typhoid fever	88	27.9	.....	3	8	6	4	2	4	6	14	17	12	4
3	Malarial fever	8	2.5	1	.....	2	1	.....	1	.....	.....	.....	.....	2	1
4	Smallpox	1	0.3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
5	Measles	18	5.7	1	3	3	.....	3	2	2	.....	1	.....	.....	3
6	Scarlet fever	20	6.3	5	1	2	1	5	.....	.....	2	1	1	.....	2
7	Whooping cough	59	18.7	7	4	5	5	5	5	11	3	3	3	4	4
8	Diphtheria and croup	53	16.8	6	5	3	2	3	.....	4	1	5	5	12	7
9	Influenza	38	12.1	3	8	6	7	6	2	.....	.....	.....	1	1	4
10	Dysentery	19	6.0	.....	.....	1	.....	.....	.....	2	6	5	4	1	.....
11	Erysipelas	16	5.1	1	2	2	1	2	2	3	.....	.....	.....	1	2
12	Other epidemic diseases	10	3.2	.....	.....	1	1	.....	1	.....	3	2	.....	1	1
13	Tuberculosis of lungs	266	84.4	20	26	24	22	20	27	21	24	21	23	21	17
14	Other forms of tuberculosis	37	11.7	2	3	3	1	3	1	4	7	2	3	4	4
15	Cancer	128	40.6	10	10	14	5	11	9	6	9	15	14	16	9
16	Rheumatism	25	7.9	1	2	5	3	1	1	1	5	2	2	2	.....
17	Diabetes	26	8.2	4	.....	1	4	1	3	3	2	3	1	2	2
18	Other general diseases	92	29.2	9	7	6	6	8	6	7	7	8	13	7	8
19	Meningitis	32	10.1	2	3	2	3	7	3	3	.....	1	1	5	2
20	Apoplexy	114	36.2	18	9	10	12	10	12	5	7	6	2	12	11
21	Paralysis	96	30.4	14	8	3	10	7	6	9	13	4	9	6	7
22	Convulsions	63	20.0	1	1	5	8	11	4	9	5	5	3	7	4
23	Other nervous diseases	109	34.6	12	3	10	8	5	9	13	5	9	12	9	14
24	Heart disease	288	91.3	22	21	27	28	21	26	22	21	25	18	31	26
25	Other circulatory diseases	73	23.1	6	6	5	7	5	7	11	7	3	4	5	7
26	Bronchitis	82	26.0	8	15	9	7	8	4	3	3	4	6	9	6
27	Bronchopneumonia	58	18.4	12	6	6	6	3	3	2	4	2	4	4	6
28	Pneumonia	224	71.0	44	21	19	28	13	10	14	11	12	12	15	25
29	Other respiratory diseases	57	18.1	9	8	2	7	5	3	4	3	3	3	4	6
30	Diseases of stomach	64	20.3	6	3	3	8	3	4	4	5	8	3	8	9
31	Diarrhœa and enteritis, under 2 years	253	80.2	9	6	7	3	7	5	31	53	85	30	9	8
32	Diarrhœa and enteritis	66	20.9	1	4	4	1	3	4	5	10	17	7	8	2
33	Hernia and obstruction of bowels	39	12.4	2	3	7	4	2	1	3	2	4	4	3	4
34	Cirrhosis of liver	24	7.6	1	3	1	3	4	2	2	1	2	2	2	1
35	Other liver diseases	21	6.7	3	.....	2	2	1	1	1	5	1	2	1	2
36	Peritonitis	30	9.5	2	1	3	.....	.....	4	4	4	3	2	4	3
37	Appendicitis	28	8.9	3	1	1	1	4	3	3	2	5	3	1	1
38	Other digestive diseases	23	7.3	1	4	3	.....	.....	.....	.....	1	5	2	4	3
39	Bright's disease	120	38.1	13	12	12	7	7	13	11	10	7	10	8	10
40	Other genito-urinary diseases	66	20.9	8	6	5	7	7	5	3	4	5	4	5	7
41	Puerperal septicemia	32	10.1	2	3	4	5	2	1	2	3	5	3	2	.....
42	Other puerperal diseases	40	12.7	2	5	2	3	7	4	4	2	4	3	.....	4
43	Skin diseases	14	4.4	1	6	1	.....	.....	.....	.....	1	1	1	.....	3
44	Diseases of locomotor system	3	1.0	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
45	Malformations	59	18.7	3	2	10	8	3	2	3	5	5	6	7	5
46	Premature birth	68	21.6	3	7	5	6	6	10	8	5	1	5	7	5
47	Congenital debility	100	31.7	13	4	9	9	8	8	6	12	8	5	6	12
48	Old age	107	33.9	9	9	8	14	12	5	12	12	7	2	6	11
49	Suicides	26	8.2	1	2	5	.....	4	2	3	3	1	3	2	.....
50	Accidents	250	79.3	21	17	16	23	21	14	32	23	22	24	23	14
51	Homicides	5	1.6	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	2
52	Causes ill-defined	155	49.2	17	11	15	13	13	11	7	12	12	12	15	17

for the State and geographical sections, 1903.—Northern Counties.

Ages of decedents, 1903.																							
Ages in years under five.					Ages for five-year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Line number.
908	152	68	47	21	1,196	99	89	141	165	133	131	137	127	145	160	169	147	229	219	164	225	17	1
....	4	1	....	....	5	6	7	15	17	7	5	4	4	6	3	5	2	2	....	....	....	....	2
1	....	....	....	....	1	....	1	1	1	1	....	....	1	1	1	....	....	....	....	....	....	....	3
1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4
3	5	2	....	1	11	3	2	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	5
3	3	4	2	1	13	3	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	6
42	9	1	3	1	56	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
6	3	7	6	3	25	15	8	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	8
7	1	1	....	....	9	1	....	1	....	2	3	1	....	2	1	2	....	6	1	3	6	....	9
5	2	2	1	1	11	1	....	....	....	2	1	....	....	....	....	1	....	1	1	1	....	....	10
6	....	....	....	....	6	....	1	....	1	....	....	2	1	....	....	1	1	3	....	....	....	....	11
4	....	1	....	....	5	2	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	12
6	2	2	....	2	12	4	8	32	45	33	30	27	19	19	12	4	5	10	1	2	1	2	13
5	1	1	....	1	8	1	2	2	5	6	2	4	2	....	1	3	....	1	....	....	....	....	14
2	....	....	....	....	2	....	....	2	....	2	2	5	8	19	26	17	16	17	3	4	5	....	15
....	....	....	....	....	....	1	2	2	....	....	....	3	....	1	....	1	3	3	6	2	1	....	16
....	....	....	....	....	....	1	3	1	1	4	....	2	1	1	....	3	2	3	3	1	....	....	17
10	4	....	1	....	15	3	1	5	6	6	4	6	3	9	6	9	4	6	5	1	2	1	18
11	3	3	2	2	21	3	3	2	....	2	....	1	....	....	....	....	....	....	....	....	....	....	19
5	....	....	....	1	6	....	....	....	1	....	2	3	3	4	12	8	9	24	13	18	11	....	20
2	1	....	....	....	3	....	1	....	....	....	1	1	1	3	6	7	7	17	19	13	16	1	21
49	2	3	....	....	54	....	1	2	1	1	1	....	....	1	....	....	....	....	2	....	....	....	22
5	....	2	1	....	8	4	6	6	9	3	3	5	5	10	9	6	9	7	6	6	3	4	23
6	2	....	1	....	9	7	2	2	4	5	10	4	18	11	18	31	27	36	47	30	27	....	24
5	....	1	....	....	6	1	1	1	2	2	1	4	4	....	3	10	2	7	15	6	8	....	25
40	6	2	1	1	50	3	1	1	....	....	....	....	1	1	1	2	2	3	6	3	6	2	26
34	8	3	2	1	48	2	1	....	1	....	1	....	2	1	....	....	....	1	1	....	....	....	27
75	17	6	4	1	103	4	5	10	7	3	4	10	9	10	9	11	10	9	9	5	6	....	28
14	1	....	3	....	18	3	2	3	....	4	....	1	....	1	1	1	4	7	4	2	6	....	29
23	2	....	2	....	27	1	1	....	1	....	1	1	1	1	1	4	2	6	8	5	4	....	30
194	59	....	....	....	253	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	....	12	10	2	24	4	3	2	....	....	3	1	2	1	3	2	3	3	6	3	6	....	32
9	2	....	....	1	12	4	....	2	2	2	....	....	....	1	1	4	2	2	3	3	1	....	33
....	....	....	....	....	....	....	....	....	....	....	1	1	2	3	3	4	3	4	2	....	1	....	34
1	....	....	....	....	1	....	....	2	....	....	....	1	1	2	1	....	4	3	3	....	3	....	35
3	....	....	....	....	3	3	2	3	2	1	5	3	1	2	1	....	2	1	1	....	....	....	36
....	....	....	1	....	1	2	3	4	3	4	2	3	2	1	2	1	....	....	....	....	....	....	37
9	....	1	....	....	10	2	2	2	2	....	....	1	1	1	1	....	....	1	....	....	....	....	38
2	2	2	....	....	6	1	3	1	1	2	5	1	9	10	9	11	11	18	16	10	6	....	39
8	....	....	....	....	8	1	1	1	7	....	1	3	4	1	3	4	4	5	5	9	9	....	40
....	....	....	....	....	....	....	....	3	10	5	9	4	1	....	....	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	....	6	8	6	7	9	4	....	....	....	....	....	....	....	....	....	42
2	....	1	....	....	3	....	....	....	....	....	....	....	....	....	1	....	1	1	5	....	3	....	43
....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	44
56	1	2	....	....	59	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
68	....	....	....	....	68	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
100	....	....	....	....	100	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	11	20	71	....	48
....	....	....	....	....	....	....	....	2	3	1	3	3	1	1	4	1	....	2	2	2	1	....	49
21	7	7	6	2	43	10	11	16	20	24	20	16	10	15	13	13	4	9	8	6	5	7	50
1	....	....	....	....	1	....	....	1	....	2	1	....	....	....	....	....	....	....	....	....	....	....	51
64	5	1	1	....	71	2	1	....	2	3	2	7	6	6	8	3	7	5	7	8	17	....	52

Table 17.—Continued.—Causes of death in Michigan, by months and ages.

No.	Causes of death, 1903.	Total deaths, 1903.	Rate per 100,000 estimated population.	Months of death, 1903. Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	5,265	1,173.9	462	483	519	439	421	383	396	411	456	419	426	450
2	Typhoid fever	79	17.6	8	7	6	3	5	5	5	8	7	10	11	4
3	Malarial fever	12	2.7	.....	2	1	3	1	1	1	1	.....	.....	1	1
4	Smallpox	3	0.7	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
5	Measles	63	14.0	4	3	9	9	10	9	2	2	.....	3	6	6
6	Scarlet fever	28	6.2	4	5	3	1	3	1	2	1	2	2	1	3
7	Whooping cough	60	13.4	11	.....	6	9	7	2	5	4	2	1	5	.....
8	Diphtheria and croup	77	17.2	8	.....	.....	5	4	4	5	5	6	10	8	14
9	Influenza	75	16.7	6	13	15	14	8	3	2	.....	2	1	2	9
10	Dysentery	32	7.1	1	.....	.....	1	.....	1	3	6	11	8	.....	1
11	Erysipelas	14	3.1	1	.....	.....	1	2	.....	.....	1	.....	1	3	3
12	Other epidemic diseases	8	1.8	.....	.....	.....	.....	1	.....	2	.....	3	1	1	.....
13	Tuberculosis of the lungs	337	75.1	36	28	29	22	33	32	26	23	19	33	34	22
14	Other forms of tuberculosis	56	12.5	1	5	7	1	5	9	3	.....	6	8	7	4
15	Cancer	263	58.6	19	21	34	26	14	23	15	24	20	18	22	27
16	Rheumatism	39	8.7	2	.....	6	5	1	4	2	2	5	3	6	2
17	Diabetes	40	8.9	1	.....	5	4	4	3	4	4	3	3	4	3
18	Other general diseases	104	23.2	6	8	10	7	8	9	12	4	9	6	8	17
19	Meningitis	63	14.0	2	3	10	8	7	10	2	3	3	4	3	8
20	Apoplexy	248	55.3	26	27	29	21	23	24	16	15	18	16	16	17
21	Paralysis	135	30.1	10	16	5	15	7	8	11	16	13	12	12	10
22	Convulsions	55	12.3	5	3	7	4	3	5	6	6	2	5	3	6
23	Other nervous diseases	131	29.2	7	8	15	10	9	11	15	8	10	6	18	14
24	Heart disease	491	109.5	42	45	47	48	35	38	33	38	41	37	40	47
25	Other circulatory diseases	104	23.2	14	.....	12	10	9	7	11	7	4	3	9	9
26	Bronchitis	116	25.9	17	22	16	8	13	5	3	5	4	6	9	8
27	Bronchopneumonia	67	14.9	9	11	13	13	5	1	1	2	.....	.....	2	10
28	Pneumonia	328	73.1	33	58	50	38	37	15	9	9	9	19	19	32
29	Other respiratory diseases	119	26.5	12	14	15	10	7	4	13	12	8	11	4	9
30	Diarrhœa of stomach	115	25.6	8	10	6	6	11	8	9	8	17	12	9	11
31	Diarrhœa and enteritis, under 2 years	245	54.6	10	4	11	5	8	2	28	46	78	34	11	8
32	Diarrhœa and enteritis, over 2 years	70	15.6	1	2	4	4	2	3	8	13	15	9	2	7
33	Hernia and obstruction of bowels	46	10.3	1	2	1	6	3	5	4	9	3	3	6	3
34	Cirrhosis of liver	45	10.0	1	4	2	5	4	1	3	5	5	4	1	10
35	Other liver diseases	39	8.7	5	1	5	4	1	5	2	5	3	4	1	3
36	Peritonitis	52	11.6	6	2	7	4	6	6	3	4	1	3	5	5
37	Appendicitis	61	13.6	3	3	5	5	4	3	7	5	6	5	7	8
38	Other diseases of digestive organs	35	7.8	2	1	4	3	1	2	3	2	5	4	5	3
39	Bright's disease	182	40.6	17	9	16	17	23	18	14	13	12	14	16	13
40	Other genito-urinary diseases	103	23.0	13	10	8	10	8	4	5	9	8	13	9	6
41	Puerperal septicæmia	44	9.8	7	5	9	3	1	4	6	3	1	3	2	.....
42	Other puerperal diseases	51	11.4	5	3	4	3	6	5	6	5	2	4	4	4
43	Infant diseases	27	6.0	3	1	1	6	3	3	1	3	.....	.....	4	2
44	Diseases of nervous system	12	2.7	.....	2	1	1	1	2	2	.....	.....	.....	1	2
45	Malformations	62	13.8	4	17	5	6	3	3	2	4	5	4	9	.....
46	Premature birth	98	21.8	7	8	4	12	7	7	5	10	12	8	10	8
47	Congenital debility	102	22.7	14	11	8	3	7	10	6	8	10	11	8	6
48	Old age	201	44.8	20	16	27	11	9	14	14	14	26	15	17	18
49	Suicides	40	8.9	10	1	3	2	1	7	5	2	1	3	2	3
50	Accidents	317	70.7	21	22	19	13	42	25	43	28	23	25	28	28
51	Homicides	6	1.3	1	.....	.....	.....	.....	1	.....	.....	.....	.....	3	1
52	Causes ill-defined	165	36.8	17	20	19	14	9	10	10	9	16	14	12	15

for the State and geographical sections, 1903.—Central Counties.

Ages of decedents, 1903.																						
Ages in years under five.					Ages for five-year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Line number.
1073	187	82	53	43	1,438	143	114	183	199	206	171	156	155	188	230	234	291	355	379	324	488	11	1
1	2	2	2	....	7	1	6	10	12	10	5	4	4	4	7	3	2	3	1	....	....	....	2
1	....	1	....	....	2	1	1	1	....	....	1	1	....	....	....	1	2	....	1	1	....	....	3
2	1	....	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4
20	14	7	2	5	48	6	3	....	1	1	1	2	1	....	....	....	....	....	....	....	....	....	5
3	....	2	4	2	11	14	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	6
37	14	5	2	....	58	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
6	6	5	9	9	35	22	9	6	1	2	....	2	....	....	....	....	....	....	....	....	....	....	8
7	....	....	1	....	8	1	2	4	1	1	2	4	....	4	3	3	2	1	9	10	19	1	9
11	5	2	1	....	19	....	....	....	....	....	....	....	....	....	....	....	1	3	5	3	1	....	10
5	....	....	....	....	5	....	....	1	1	....	2	....	1	....	1	....	....	2	....	....	1	....	11
3	....	1	2	....	6	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	12
1	2	1	1	....	5	1	4	42	65	63	41	20	13	23	20	12	4	14	7	2	1	....	13
9	....	....	....	1	10	6	4	6	2	3	7	2	1	2	4	1	2	2	3	1	....	....	14
....	....	....	....	....	....	1	1	....	1	1	4	12	9	27	23	40	45	28	34	15	22	....	15
....	....	....	....	....	....	1	5	2	1	1	....	1	1	3	4	2	2	5	4	5	2	....	16
....	....	1	1	....	2	2	2	1	....	1	....	3	1	2	3	3	5	6	4	2	3	....	17
13	1	1	....	2	17	1	4	2	4	8	11	6	5	9	8	7	8	2	4	6	2	....	18
26	6	1	1	1	35	6	2	3	3	1	4	....	2	2	1	1	1	1	....	....	1	....	19
3	4	3	....	....	10	6	....	2	3	6	2	4	11	9	24	20	22	37	37	27	28	....	20
1	....	....	....	....	1	1	1	2	....	1	1	1	2	6	7	5	16	17	22	21	31	....	21
47	4	2	....	1	54	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	22
13	1	2	2	2	20	4	13	4	2	4	3	6	4	2	10	11	12	12	10	8	6	....	23
11	2	....	....	1	14	5	6	11	10	5	10	10	15	18	30	37	53	69	80	58	58	2	24
5	2	....	....	1	8	....	1	1	1	4	1	1	8	2	5	10	6	14	17	14	10	1	25
45	9	2	1	....	57	3	....	....	....	....	2	4	1	1	2	3	1	5	9	9	19	....	26
30	12	8	1	2	53	....	....	2	....	....	....	....	....	1	....	2	....	1	....	4	4	....	27
101	21	5	4	5	136	7	9	10	6	7	6	9	7	14	14	16	16	27	10	12	21	1	28
29	1	....	2	1	33	3	1	4	3	5	7	1	....	3	5	4	13	9	8	8	12	....	29
38	5	1	....	1	45	1	....	....	2	1	1	1	3	3	4	3	12	13	8	8	10	....	30
195	50	....	....	....	245	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	....	15	6	1	22	2	2	2	1	....	3	....	1	2	2	6	4	2	12	2	7	....	32
6	1	....	....	....	7	1	....	1	4	1	3	1	2	1	5	1	1	1	5	6	6	....	33
....	1	....	....	....	1	....	....	1	1	....	2	2	2	....	6	4	7	7	7	4	1	....	34
3	1	....	....	....	4	1	....	2	....	....	2	2	3	4	2	4	3	4	3	2	3	....	35
6	....	....	1	....	7	4	5	7	5	4	4	4	4	1	1	1	3	2	....	....	....	....	36
....	....	1	1	1	3	8	10	6	5	7	6	3	1	2	2	2	1	1	....	3	1	....	37
11	1	1	2	....	15	....	2	1	1	3	1	....	....	....	....	....	1	2	3	2	4	....	38
4	1	1	3	....	9	1	2	5	3	7	4	12	11	16	12	11	16	22	18	19	14	....	39
6	....	....	....	1	7	3	1	6	6	8	5	5	3	3	4	3	5	10	12	9	13	....	40
....	....	....	....	....	....	....	....	3	11	11	9	6	4	....	....	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	....	6	11	11	8	9	4	1	....	1	....	....	....	....	....	....	42
9	....	....	....	....	9	1	....	1	1	....	....	....	....	....	....	....	....	3	3	1	8	....	43
1	....	....	1	1	3	2	....	....	2	1	....	....	1	....	....	1	....	....	1	....	....	1	44
56	4	1	....	....	61	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
98	....	....	....	....	98	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
102	....	....	....	....	102	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	19	33	141	....	48
....	....	....	....	....	....	....	1	....	5	5	2	2	4	4	2	6	3	2	1	1	1	1	49
40	12	11	2	5	70	20	15	23	21	21	11	13	19	17	16	7	12	6	10	13	19	4	50
1	....	....	....	....	1	....	....	....	1	1	....	....	1	1	....	1	....	....	....	....	....	....	51
67	4	....	1	....	72	3	....	5	1	1	....	3	5	1	3	2	10	14	11	15	19	....	52

Table 17.—Concluded.—Causes of death in Michigan, by months and ages.

Line number.	Causes of death, 1903.	Total deaths, 1903.	Rate per 100,000 estimated population.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	20,598	1,404.2	1,795	1,744	1,909	1,754	1,731	1,438	1,679	1,708	1,599	1,651	1,659	1,931
2	Typhoid fever	365	24.9	23	17	32	24	24	14	14	31	41	57	52	36
3	Malarial fever	40	2.7	4	.....	4	3	3	2	4	4	5	6	4	1
4	Smallpox	21	1.4	5	4	1	3	1	4	1	1	.....	1	.....	.....
5	Measles	71	4.8	8	4	15	10	13	5	4	.....	.....	.....	1	11
6	Scarlet fever	108	7.4	19	8	10	9	12	4	8	8	2	4	12	12
7	Whooping cough	172	11.7	19	14	21	16	12	18	18	26	9	8	6	5
8	Diphtheria and croup	448	30.5	38	31	22	25	30	42	20	26	24	49	84	57
9	Influenza	348	23.7	28	41	101	54	36	13	3	5	6	9	12	40
10	Dysentery	68	4.6	.....	2	.....	.....	1	1	6	16	21	15	4	2
11	Erysipelas	64	4.4	7	5	4	5	4	8	5	4	6	3	4	9
12	Other epidemic diseases	21	1.4	1	.....	.....	1	1	1	4	8	3	2	.....	.....
13	Tuberculosis of lungs	1,279	87.2	99	111	126	129	123	93	102	87	99	125	89	96
14	Other forms of tuberculosis	243	16.6	16	23	27	20	19	12	26	22	21	22	12	23
15	Cancer	1,192	81.3	108	80	82	93	98	95	113	114	114	97	88	110
16	Rheumatism	160	10.9	21	8	12	22	10	14	10	10	11	14	18	10
17	Diabetes	186	12.7	18	14	10	16	12	7	12	17	12	17	22	29
18	Other general diseases	500	34.1	40	35	44	51	47	37	52	33	40	33	43	45
19	Meningitis	226	15.4	18	23	27	9	24	13	21	18	20	21	17	15
20	Apoplexy	948	64.6	78	72	85	79	93	78	71	76	68	83	73	92
21	Paralysis	580	39.5	54	46	53	42	49	37	47	42	47	51	57	55
22	Convulsions	292	19.9	26	27	31	21	29	28	32	18	22	12	29	17
23	Other nervous diseases	673	45.9	60	49	61	50	59	59	56	57	50	57	59	56
24	Heart disease	2,336	159.3	218	217	207	213	189	187	183	157	143	204	197	221
25	Other circulatory diseases	452	30.8	37	42	41	34	41	42	33	35	23	45	31	48
26	Bronchitis	468	31.9	62	69	63	28	34	29	26	22	27	28	44	36
27	Bronchopneumonia	379	25.8	46	49	54	41	26	20	15	15	10	18	30	55
28	Pneumonia	1,260	85.8	169	171	184	125	126	50	34	38	38	53	91	181
29	Other respiratory diseases	318	21.7	36	34	25	43	28	14	17	21	19	22	32	27
30	Diseases of stomach	323	21.9	31	33	24	23	23	24	26	27	36	21	19	36
31	Diarrhea and enteritis, under 2 years	829	56.5	28	14	21	18	30	47	165	183	175	82	39	27
32	Diarrhea and enteritis, over 2 years	277	18.9	14	13	8	17	8	18	32	35	58	32	19	23
33	Hernia and obstruction of bowels	184	12.5	18	13	12	26	20	12	10	8	14	19	15	17
34	Cirrhosis of liver	160	10.9	14	14	15	15	11	16	16	15	10	8	13	13
35	Other liver diseases	197	13.4	9	23	22	23	22	16	12	16	11	11	16	16
36	Peritonitis	197	13.4	18	22	17	18	12	15	12	21	18	11	14	19
37	Appendicitis	155	10.6	11	8	17	13	13	10	14	12	22	16	6	13
38	Other digestive diseases	116	7.9	9	10	17	13	13	5	4	5	7	7	15	11
39	Bright's disease	899	61.3	81	57	80	70	79	72	86	82	69	67	77	79
40	Other genito-urinary diseases	399	27.2	38	43	33	43	36	19	31	30	30	36	24	36
41	Puerperal septicemia	91	6.2	6	11	4	11	11	5	7	9	6	6	7	8
42	Other puerperal diseases	111	7.6	6	11	10	18	9	8	8	7	5	4	10	15
43	Skin diseases	137	9.3	9	10	10	21	17	12	10	10	9	8	15	6
44	Diseases locomotor system	26	1.8	4	1	4	2	1	2	4	1	2	2	1	2
45	Malformations	171	11.7	18	17	11	12	18	8	15	10	20	15	9	18
46	Premature birth	270	18.4	13	22	26	20	18	29	28	26	18	18	21	31
47	Congenital debility	501	34.2	28	40	36	48	38	33	52	59	44	43	38	42
48	Old age	676	46.1	74	65	60	62	57	40	42	59	42	51	53	71
49	Suicides	156	10.6	11	7	16	13	17	14	14	16	10	19	10	9
50	Accidents	1,141	77.8	64	77	77	79	104	87	132	141	81	89	99	111
51	Homicides	14	1.0	1	.....	4	.....	1	1	1	3	.....	1	1	1
52	Causes ill-defined	350	23.9	32	37	43	23	29	18	21	22	31	29	27	38

DEATHS

for the State and geographical sections. 1903.—Southern Counties.

Ages in years under five.					Ages of decedents, 1903.																			
					Ages in five-year periods.																			
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 to 84.	85 to 89.	90 and upwards.	Unknown.
3371	532	286	200	144	4,533	507	272	325	739	1,000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	8	3	6	4	22	15	2	3	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	2	...	...	...	5				1	1				1	1		1	1			1	1		[illegible]
7	...	...	...	1	8		1			1	1	1												[illegible]
13	15	7	5	4	44	10	1	4	1	1	1													[illegible]
8	7	10	9	15	49	39	4	5	4	1	1													[illegible]
110	30	15	7	3	165	7																		[illegible]
29	47	54	53	46	229	147	41	11	6	1	1	1	1											[illegible]
22	5	2	1	2	32	8	2	1	1	4	1	1	1	17	1	1	2	1	1	1	1			[illegible]
12	4	2	1	2	21											1	1	1	1					[illegible]
12	...	...	...	...	12			1		1	1	1		1	1	1	1		1	1	1			[illegible]
2	...	1	...	...	3	1		1		1			1			1	1		1	1	1			[illegible]
21	7	5	1	...	34	8	11	106	156	177	176	1	175	1	1	1	1	1	1	1	1	1		[illegible]
21	13	3	4	4	45	12	11	18	17	23	14		1	1	1	1	1	1	1	1	1	1		14
3	...	...	1	1	5	4		1	4	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
1	...	...	...	1	2	1	1	1	1	1	1	1	1	1	1	14	14	14	1	14	1	1		[illegible]
1	...	...	...	...	1	1	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
100	8	3	1	3	115	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
80	17	12	13	5	127	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
18	1	3	2	1	25	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
5	2	...	...	1	8	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
250	15	3	2	2	272	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
34	11	1	2	2	50	16	25	25	33	17	17	1	1	1	1	1	1	1	1	1	1	1		[illegible]
41	4	3	4	1	53	15	15	19	30	45	44	7	14	1	1	1	1	1	1	1	1	1	4	[illegible]
16	3	...	...	1	20	4	6	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
135	24	12	10	8	189	5	1	4	5	5	1	1	1	1	1	1	1	1	1	1	1	1		[illegible]
147	48	19	14	2	230	13	2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	[illegible]
267	56	25	11	6	365	29	21	30	38	36	32	32	31	49	48	1	1	1	1	1	1	1		[illegible]
49	8	8	4	5	74	6	6	6	9	6	12	12	11	19	12	14	14	1	1	1	1	1		[illegible]
81	9	6	...	2	98	2	2	1	3	9	7	12	11	15	14	24	15	1	1	1	1	1		30
698	131	...	...	...	829	...																		31
...	...	53	19	7	79	7	4	6	8	6	6	3	6	7	7	10	19	23	28	22	8			32
24	3	1	2	...	30	5	4	1	2	6	2	7	12	7	11	11	14	21	22	16	13			33
2	...	...	...	...	2	...	1	1	2	5	4	10	12	11	13	19	23	23	17	11	1			34
5	4	...	...	...	9	1	2	2		2	10	6	12	12	10	17	19	22	25	24	24			35
8	2	1	3	2	16	9	12	12	23	27	20	18	12	4	10	7	6	7	5	9				36
1	...	...	...	1	2	20	23	24	25	13	11	8	7	2	6	4	1	3	4		2			37
21	3	2	3	2	31	3	1		3	3	8	2	2	11	5	8	5	7	10	6	11			38
17	1	4	4	1	27	14	7	12	28	18	27	31	32	49	56	84	100	99	117	107	91			39
12	2	3	3	1	21	6	9	10	20	14	27	11	18	25	24	12	19	35	38	44	66			40
...	...	...	...	...	...	...	...	10	24	16	17	18	6	...	...	...	...							41
...	...	...	...	...	...	...	...	4	24	19	24	28	11	1	...	...	...							42
14	...	...	...	...	14	2	...	4	3	2	4	3	3	4	3	4	6	12	19	20	31			43
6	2	1	...	...	9	1	2	1	...	1	...	1	1	1	2	1	3	1	2					47
163	5	1	1	...	170	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			15
270	...	...	...	...	270	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			46
501	...	...	...	...	501	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29	65	125	157			18
...	...	...	...	...	...	...	1	5	12	16	20	16	9	14	12	13	10	9	7	5	6	2		40
81	27	20	13	6	147	52	62	72	75	65	53	74	71	48	58	54	40	53	50	50	98	10		50
1	1	...	...	1	3	...	...	...	1	5	...	3	1	...	...	...	1	...	...	...	...			51
88	7	3	1	1	70	4	2	3	6	4	6	5	11	11	11	6	27	24	34	43	82	1		52

DISCUSSION OF INDVIDUAL CAUSES OF DEATH, 1903.

The following text is devoted to the discussion of the most important individual diseases and groups of diseases according to the condensed list as shown in Table 17, by months and ages, for the State and geographical sections into which it is divided. For convenience, a summary derived from these tables will be presented in connection with each cause.

DEATHS FROM ALL CAUSES.

The total number of deaths registered by means of certificates of deaths during the year 1903 was 33,176, corresponding to a mortality of 1,325.6 per 100,000 estimated population. This number is exclusive of 1,814 stillbirths returned as deaths. Compared with the immediately preceding years, we have:

Years.	Total deaths registered.	Death rates per 100,000 population.
1898	28,174	1,199.0
1899	32,289	1,353.4
1900	32,453	1,340.5
1901	32,834	1,339.7
1902	31,472	1,271.3
1903	33,176	1,325.6

The rates more conveniently expressed as rates per 1,000 population would be 12.0, 13.5, 13.4, 13.4, 12.7, 13.3.

The general distribution of the deaths among the four geographical sections were as follows:

Geographical sections.	Total deaths, 1903.	Death rates per 1,000 population.
STATE OF MICHIGAN	33,176	13.3
Upper Peninsula	3,619	13.3
Northern Counties	3,693	11.7
Central Counties	5,265	11.7
Southern Counties	20,598	14.0

Nearly sixty-three per cent of the total number of deaths occurred in the Southern counties, and the death rate of this section was somewhat higher than that of any other. This might be expected, as the Southern counties comprise the oldest portion of the State, with an age distribution of population less favorable than the newly-settled portions of the State. It is also very likely [illegible] tion is more *accurate in densely-settled* portions of the

TYPHOID FEVER.

The total number of deaths from typhoid fever compiled in this report is 606.

Following is a comparative statement of deaths and death rates from typhoid fever, according to the final compilation of the returns as given in the registration reports, for the preceding five years of registration of deaths under the registration law of 1897:

Years.	Deaths from typhoid fever.	Death rates per 100,000 population.
1899	580	24.3
1900	869	35.9
1901	645	26.3
1902	608	24.6
1903	606	24.2

It will thus be seen that the mortality from this disease was somewhat less for the year 1903 than for any of the preceding five years.

The maximum number of deaths in any month, 90, occurred in October, and the least number, 24, in June. By geographical sections, the highest death rate, 27.9 per 100,000, was in the Northern counties, and the lowest, 17.6, in the Central counties.

Table 18.—Deaths from typhoid fever in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	606	24.2	48	35	52	36	42	24	27	47	73	90	84	48
I. Upper Peninsula	74	27.2	9	8	6	3	9	3	4	2	11	6	9	4
II. Northern counties	88	27.9	8	3	8	6	4	2	4	6	14	17	12	4
III. Central counties	79	17.6	8	7	6	3	5	5	5	8	7	10	11	4
IV. Southern counties	365	24.1	23	17	32	24	24	14	14	31	41	57	52	36

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 20.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
338	268	3	40	31	71	141	162	71	66	46	29	17	2

*Also one death at unknown age.

SMALLPOX.

The distribution of deaths from smallpox is shown in Table 19. Although of small numerical importance as a cause of death, the remembrance of its fatality in the past still clings around this disease, and no epidemic cause attracts so much public attention and is considered worthy of so much effort and expense for the sake of immediate restriction as smallpox among all the causes ordinarily prevalent in this State. There were 29 deaths during the year 1903, corresponding to a rate of 1.2 per 100,000 population.

Table 19.—Deaths from smallpox in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	29	1.2	7	5	2	3	1	5	2	2	1	1	.....	.....
I. Upper Peninsula	4	1.5	1	1	1	....	.....	.....	.....	1	.....	.....	.....	.....
II. Northern counties	1	0.3	....	....	....	....	.....	.....	.....	.....	1	.....	.....	.....
III. Central counties	3	0.7	1	....	....	....	.....	1	1	.....	.....	.....	.....	.....
IV. Southern counties	21	1.4	5	4	1	3	1	4	1	1	.....	1	.....	.....

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
18	11	13	15	0	15	1	5	5	.....	1	1	.....	1

MEASLES.

Measles as a cause of death was considerably lower than the preceding year. There were 176 deaths returned from this cause as compared with 238 for the year 1902. Distribution by ages, sex and months may be seen in Table 20.

SCARLET FEVER.

Scarlet fever showed a decrease of mortality for the year compared with 1902. There were 200 deaths returned from this cause, corresponding to an annual death rate of 8.0 per 100,000 population. The greatest number of deaths occurred in the southern counties. The distribution is shown in Table 21.

Table 20.—Deaths from measles in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	176	7.0	15	17	30	23	27	17	13	2	2	3	7	20
I. Upper Peninsula...	24	8.8	2	7	3	4	1	1	5	.....	1	.....	.....	.....
II. Northern counties..	18	5.7	1	3	3	....	3	2	2	.....	1	.....	.....	3
III. Central counties...	63	14.0	4	3	9	9	10	9	2	2	.....	3	6	6
IV. Southern counties..	71	4.7	8	4	15	10	13	5	4	.....	.....	.....	1	11

Deaths by sex, 1903.		Deaths by ages, 1903.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
72	104	42	123	20	143	13	8	7	2	1	1	1	.....

Table 21.—Deaths from scarlet fever in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	200	8.0	36	17	21	15	26	9	12	15	7	7	16	19
I. Upper Peninsula...	44	16.2	8	3	6	4	6	4	2	4	2	.....	3	2
II. Northern counties..	20	6.3	5	1	2	1	5	.....	.....	2	1	1	.....	2
III. Central counties...	28	6.2	4	5	3	1	3	1	2	1	2	2	1	3
IV. Southern counties..	108	7.1	19	8	10	9	12	4	8	8	2	4	12	12

Deaths by sex, 1903.		Deaths by ages, 1903.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
95	105	15	97	70	167	21	9	2	1	.....	.....	.....	.....

WHOOPING COUGH.

Deaths from whooping cough increased from 289 in 1902 to 383 in 1903. Very little attention is given to this disease in the way of restriction, whose mortality is almost entirely confined to the early years of life. For exact comparisons, rates based upon susceptible populations of early age must be employed.

Table 22.—Deaths from whooping cough in Michigan in 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	383	15.3	42	31	35	37	31	30	42	42	24	16	26	27
I. Upper Peninsula	92	33.8	5	5	3	7	7	5	8	9	10	4	11	18
II. Northern counties	59	18.7	7	4	5	5	5	5	11	7	3	3	4	4
III. Central counties	60	13.4	11	8	6	9	7	2	5	4	2	1	5	.....
IV. Southern counties	172	11.4	19	14	21	16	12	18	18	26	9	8	6	5

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
178	205	243	369	11	380	3	.....	.....	.....	.....	.....	.....	.....

DIPHTHERIA AND CROUP.

Deaths and death rates from diphtheria and croup for the past five years were as follows:

Years.	Deaths from diphtheria and croup.	Death rates per 100,000 population.
1899	435	18.2
1900	529	21.9
1901	502	20.5
1902	504	20.4
1903	686	27.4

Nearly half of the deaths from these causes were of children under five years of age, and as usual the highest death rate was in the Upper Peninsula. November showed the largest number of deaths, 110, while March had the fewest, 31.

Table 23.—Deaths from diphtheria and croup in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	686	27.4	62	52	31	41	43	55	38	38	43	78	110	95
I. Upper Peninsula...	108	39.7	10	8	6	9	6	9	9	6	8	14	6	17
II. Northern counties..	53	16.8	6	5	3	2	3	.....	4	1	5	5	12	7
III. Central counties...	77	17.2	8	8	....	5	4	4	5	5	6	10	8	14
IV. Southern counties..	448	29.6	38	31	22	25	30	42	20	26	24	49	84	57

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
338	348	49	339	229	568	91	14	7	4	1	.....	1	.....

INFLUENZA.

There were 480 deaths returned from influenza in Michigan during the year 1903, corresponding to a death rate of 19.2 per 100,000 population. An increase of 145 is shown over the returns of the preceding year. By geographical sections, the largest number of deaths from this cause, 348, occurred in the southern counties, and the smallest number, 19, occurred in the Upper Peninsula. The highest death rate, 23.0 per 100,000 population, was in the southern counties, and the smallest, 7.0, was in the Upper Peninsula.

Table 24.—Deaths from influenza in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	480	19.2	38	63	125	81	53	20	5	5	9	11	17	53
I. Upper Peninsula	19	7.0	1	1	3	6	3	2	.....	.....	1	.....	2	.....
II. Northern counties	38	12.1	3	8	6	7	6	2	.....	.....	.....	1	1	4
III. Central counties	75	16.7	6	13	15	14	8	3	2	.....	2	1	2	9
IV. Southern counties	348	23.0	28	41	101	54	36	13	3	5	6	9	12	40

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
229	251	36	50	12	62	12	11	24	31	33	70	138	97

* Also two deaths at unknown age.

PULMONARY TUBERCULOSIS.

There were 2,155 deaths returned from pulmonary tuberculosis for the year 1903, corresponding to a death rate of 86.1 per 100,000 population. The distribution of these deaths is shown by months, sex and age periods in Table 25. The greatest mortality by months from this cause was for the months of March and May, 203, and the smallest number occurred in the month of December, which month had 159 deaths.

By geographical sections, the largest number of deaths occurred in the southern counties, which had 1,279 deaths, and the smallest number, 266, occurred in the northern counties.

Table 25.—Deaths from tuberculosis of lungs in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	2,155	86.1	177	185	203	199	203	179	165	161	160	200	164	159
I. Upper Peninsula	273	100.4	22	20	24	26	27	27	16	27	21	19	20	24
II. Northern counties	266	84.4	20	26	24	22	20	27	21	24	21	23	21	17
III. Central counties	337	75.1	36	28	29	22	33	32	26	23	19	33	34	22
IV. Southern counties	1,279	84.6	99	111	126	129	123	93	102	87	99	125	89	96

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
949	1,206	32	60	16	76	262	674	437	275	198	147	65	18

*Also three deaths at unknown age.

OTHER FORMS OF TUBERCULOSIS.

There were 393 deaths compiled from other forms of tuberculosis in Michigan during the year 1903, corresponding to a death rate of 15.7 per 100,000 estimated population. The distribution of these deaths by sex, months and ages is shown in Table 26.

For the State as a whole, the maximum mortality occurred during the month of July, namely, 43, and the minimum number, 25, in January.

Considered by geographical sections, the greatest mortality was in the southern counties, 243, and the smallest number, 37, in the northern counties.

Table 26.—Deaths from other forms of tuberculosis in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	393	15.7	25	35	42	29	32	28	43	30	31	38	26	34
I. Upper Peninsula	57	21.0	6	4	5	7	5	6	10	1	2	5	3	3
II. Northern counties	37	11.7	2	3	3	1	3	1	4	7	2	3	4	4
III. Central counties	56	12.5	1	5	7	1	5	9	3	.....	6	8	7	4
IV. Southern counties	243	16.1	16	23	27	20	19	12	26	22	21	22	12	23

Deaths by sex, 1903.		Deaths by ages, 1903.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
199	194	42	83	26	109	63	76	41	33	33	20	14	4

CANCER.

There were 1,694 deaths compiled from cancer in Michigan during the year 1903, corresponding to a death rate of 67.7 per 100,000 population. The distribution of these deaths is shown by months, sex and age in Table 27.

For the State as a whole, the maximum mortality from this cause, 159, was in the month of August, and the minimum mortality was in the month of February, which had 125 deaths.

Considered by geographical sections, the greatest mortality was in the southern counties, which section had 1,192 deaths, and the least was in the Upper Peninsula, with only 111 deaths.

Table 27.—Deaths from cancer in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,694	67.7	146	125	144	127	133	133	143	159	157	136	139	152
I. Upper Peninsula	111	40.8	9	14	14	3	10	6	9	12	8	7	13	6
II. Northern counties	128	40.6	10	10	14	5	11	9	6	9	15	14	16	9
III. Central counties	263	58.6	19	21	34	26	14	23	15	24	20	18	22	27
IV. Southern counties	1,192	78.9	108	80	82	93	98	95	113	114	114	97	88	110

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
699	995	5	8	5	13	6	28	103	261	429	441	309	103

*Also one death at unknown age.

The comparative rates for the past five years of registration as given in Table 28 would seem to show some tendency toward an increase in the death rate from cancer in this State, although the very short period of time covered by the statistics is not sufficient to base any definite opinion upon. It is unfortunate that we cannot go backward in this State for a long series of years, or, at least, for the entire time covered by the operation of the old registration law which was enacted in 1867, and from comparison of statistics collected thereunder with our present returns be enabled to present some conclusive evidence as whether this disease is or is not increasing in prevalence in Michigan. According to statistics compiled in many parts of the world, cancer is on the increase, at least as a factor in the gross mortality. In Michigan the question presents peculiar embarassments from the fact that the returns of deaths under the old law providing for their enumeration annually by supervisors and assessors, which law was in force from 1867 to 1897, were on a quite different basis from the physician's certificate which constitute the returns of deaths under the registration law of 1897. The ratio of deaths from this disease to deaths from all causes, stillbirths excluded, shows a slight increase as may be noted in Table 28, but one which is in keeping with the fairly uniform tendency in this direction as shown by comparison of the five-year averages in this table.

Table 28.—Ratio of deaths from cancer to deaths from all causes registered in Michigan, exclusive of stillbirths, for the years 1871-1903.

Years and periods.	Deaths from all causes, stillbirths excluded.	Deaths from cancer.	Per cent.
Years.			
1870	10,540	120	1.1
1871	9,460	105	1.1
1872	13,167	133	1.0
1873	13,984	172	1.2
1874	12,036	188	1.6
1875	11,361	203	1.8
1876	11,930	241	2.0
1877	12,199	266	2.2
1878	11,973	269	2.2
1879	13,658	272	2.0
1880	15,364	284	1.8
1881	18,547	310	1.7
1882	15,633	301	1.9
1883	16,022	383	2.4
1884	17,137	361	2.1
1885	15,638	403	2.6
1886	17,278	391	2.3
1887	18,585	453	2.4
1888	20,406	480	2.4
1889	19,113	492	2.6
1890	20,245	533	2.6
1891	20,989	534	2.5
1892	20,715	558	2.7
1893	20,963	644	3.1
1894	19,957	677	3.4
1895	21,648	757	3.5
1896	20,729	780	3.8
1897	19,150	760	4.0
1898*	**28,248**	**1,321**	**4.7**
1899*	**32,509**	**1,334**	**4.1**
1900*	**32,550**	**1,460**	**4.5**
1901*	**32,334**	**1,434**	**4.5**
1902*	**31,472**	**1,488**	**4.7**
1903*	**33,170**	**1,604**	**5.1**
Five-year periods.			
1872-76	12,496	187	1.5
1877-81	14,348	280	2.0
1882-86	16,342	368	2.3
1887-91	19,868	498	2.5
1892-96	20,802	683	3.3
1898-1903	**31,523**	**1,410**	**4.5**
Twenty-five-year period.			
1872-96	16,771	403	2.4

* Under new law.

DISEASES OF THE NERVOUS SYSTEM.

The following comparative statement shows the number of deaths and death rates per 100,000 population as compiled from diseases effecting the nervous system:

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total	4,568	4,056	4,012	3,809	4,077
Meningitis	1,051	514	427	384	382
Apoplexy	1,225	1,259	1,243	1,249	1,390
Paralysis	842	788	799	760	843
Convulsions	474	542	550	473	483
Other nervous diseases	976	953	993	943	979
	Death rates per 100,000 population.				
Total	191.4	167.4	163.6	153.9	162.9
Meningitis	44.1	21.2	17.4	15.5	15.3
Apoplexy	51.3	52.0	50.7	50.5	55.5
Paralysis	35.3	32.5	32.6	30.7	33.7
Convulsions	19.9	22.4	22.4	19.1	19.3
Other nervous diseases	40.8	39.3	40.5	38.1	39.1

It would appear that the mortality from this class of diseases has rather declined during the past five years, and that excepting the epidemic prevalence of meningitis in 1899 no remarkable amounts of mortality have been recorded from any of the constituent causes.

This group undoubtedly includes many deaths not correctly assignable to diseases of the nervous system. Thus deaths from meningitis may be in part from "simple" or "idiopathic" meningitis, from epidemic cerebrospinal meningitis, or from meningitis following pneumonia, typhoid fever, and other acute infectious diseases. It may also include some deaths from tuberculous meningitis, the element of tuberculosis not having been properly specified in the physician's certificate; when known to be such these cases are included under tuberculous diseases.

Following is a detailed statement, by months, geographical sections and ages, of the mortality of the year from the more important diseases of the nervous system:

Table 29.—Deaths from meningitis in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	382	15.3	26	34	44	24	41	31	34	27	30	29	29	33
I. Upper Peninsula	61	22.4	4	5	5	4	3	5	8	6	6	3	4	8
II. Northern counties	32	10.1	2	3	2	3	7	3	3	.....	1	1	5	2
III. Central counties	63	14.0	2	3	10	8	7	10	2	3	3	4	3	8
IV. Southern counties	226	15.0	18	23	27	9	24	13	21	18	20	21	17	15

Deaths by sex, 1903.		Deaths by ages, 1903.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
204	178	136	219	33	252	46	27	20	12	6	11	5	3

Table 30.—Deaths from apoplexy in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,390	55.5	126	113	38	118	135	121	101	99	99	105	106	129
I. Upper Peninsula	80	29.4	4	5	14	6	9	7	9	1	7	4	5	9
II. Northern counties	114	36.2	18	9	10	12	10	12	5	7	6	2	12	11
III. Central counties	248	55.3	26	27	29	21	23	24	16	15	18	16	16	17
IV. Southern counties	948	62.7	78	72	85	79	93	78	71	76	68	83	73	92

Deaths by sex, 1903.		Deaths by ages, 1903.*												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
724	666	32	49	8	57	12	26	41	107	211	356	400	176

*Also four deaths at unknown age.

Table 31.—Deaths from paralysis in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	843	33.7	78	73	65	69	67	52	72	74	67	73	77	76
I. Upper Peninsula	32	11.8	....	3	4	2	4	1	5	3	3	1	2	4
II. Northern counties	96	30.4	14	8	3	10	7	6	9	13	4	9	6	7
III. Central counties	135	30.1	10	16	5	15	7	8	11	16	13	12	12	10
IV. Southern counties	580	38.4	54	46	53	42	49	37	47	42	47	51	57	55

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
448	395	9	14	5	19	8	4	9	42	84	189	279	207

*Also two deaths at unknown age.

Table 32.—Deaths from convulsions in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	483	19.3	39	37	52	36	50	43	48	34	35	31	47	31
I. Upper Peninsula	73	26.8	7	6	9	3	7	6	1	5	6	11	8	4
II. Northern counties	63	20.0	1	1	5	8	11	4	9	5	5	3	7	4
III. Central counties	55	12.3	5	3	7	4	3	5	6	6	2	5	3	6
IV. Southern counties	292	19.3	26	27	31	21	29	28	32	18	22	12	29	17

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
291	192	411	451	3	454	9	6	2	1	2	3	4	2

DISEASES OF THE CIRCULATORY SYSTEM.

The total number of deaths, together with death rates per 100,000 population, from the causes here compiled may be seen in the following statement, which merely attempts to distinguish two varieties of returns, namely, deaths reported from some definite form of organic heart disease and deaths from endocarditis, pericarditis, diseases of the arteries and veins, and other and indefinitely reported diseases of the circulatory system, including deaths from "hemorrhage" with unspecified cause.

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total diseases of the circulatory system	2,776	3,059	3,291	3,593	3,969
Heart disease	2,227	2,472	2,691	2,910	3,297
Other circulatory diseases	549	587	600	683	672
	Death rates per 100,000 population.				
Total diseases of the circulatory system	116.3	126.3	134.3	145.2	158.6
Heart disease	93.3	102.1	109.8	117.6	131.7
Other circulatory diseases	23.0	24.2	24.5	27.6	26.9

This does not include deaths from "heart failure," which are regarded as too worthless to be included among deaths from diseases of any specified organ.

The marked and steady increase in the registered mortality from heart disease is a feature of great interest. If deaths from "heart failure," a portion of which may have been due to actual organic disease of the heart, were included, the number of deaths from this cause would be still higher, but even as it is, the number of deaths from organic heart disease in Michigan in 1903 exceeded those from any other single cause recorded.

The distribution of deaths from organic heart disease during the year 1903 may be seen in Table 33, according to which it appears that the death rate from this disease increased progressively in passing from the Upper Peninsula to the southern counties. This might have been expected as the deaths from heart disease are chiefly those of elderly persons, and the general age distribution of the population is more favorable to a high ratio of deaths from this cause in the older and more thickly settled portion of the State.

Table 32.—Deaths from heart disease in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	3,297	131.7	297	299	300	296	261	269	254	233	223	278	282	305
I. Upper Peninsula	182	66.9	15	16	19	7	16	18	16	17	14	19	14	11
II. Northern counties	288	91.3	22	21	27	28	21	26	22	21	25	18	31	26
III. Central counties	491	109.5	42	45	47	48	35	38	33	38	41	37	40	47
IV. Southern counties	2,336	154.5	218	217	207	213	189	187	183	157	143	204	197	221

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,811	1,486	59	79	30	109	61	103	165	277	425	752	944	455

*Also six deaths at unknown age.

DISEASES OF THE RESPIRATORY SYSTEM.

Diseases of the respiratory system are among the most important causes of death in Michigan. In this group may be found the following figures for deaths and death rates per 100,000 population during the past five years:

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total diseases of the respiratory system	3,990	3,877	4,377	4,041	3,948
Bronchitis	785	802	869	812	801
Pneumonia (total)	2,479	2,388	2,901	2,637	2,607
Bronchopneumonia	287	353	489	502	588
Pneumonia	2,192	2,035	2,412	2,135	2,019
Pleurisy	134	159	89	104	76
Other respiratory diseases	592	528	518	488	464
	Death rates per 100,000 population.				
Total diseases of the respiratory system	167.2	160.2	178.7	163.2	157.7
Bronchitis	32.9	33.1	35.5	32.8	32.0
Pneumonia (total)	103.9	98.7	118.4	106.5	104.2
Bronchopneumonia	12.0	14.6	20.0	20.3	23.5
Pneumonia	91.9	84.1	98.4	86.2	80.7
Pleurisy	5.6	6.6	3.4	4.2	3.0
Other respiratory diseases	24.8	21.8	21.4	23.9	18.6

The total given above does not include, however, the entire list of diseases affecting the respiratory system. Pulmonary tuberculosis is a disease chiefly affecting the lungs, and many deaths registered from influenza are in their onset, course and termination, chiefly confined to the respiratory tract. Fatal cases of measles are frequently the results of pneumonia as a complication, and many deaths from organic heart, liver or kidney disease present terminal pneumonia as the closing incident of life. In order to compare the chief causes of death affecting the respiratory tract, we may consider the total compiled under this group above in connection with deaths from influenza and pulmonary tuberculosis:

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total diseases of respiratory system, influenza and pulmonary tuberculosis	7,761	6,395	7,628	6,464	6,5
Per cent to deaths from all causes	24.0	19.7	23.2	20.5	19
Diseases of the respiratory system	3,990	3,877	4,377	4,041	3,9
Influenza	1,673	500	1,099	335	4
Pulmonary tuberculosis	2,098	2,018	2,152	2,088	2,1
	Death rates per 100,000 population.				
Total diseases of respiratory system, influenza and pulmonary tuberculosis	325.2	264.3	311.3	261.0	263
Diseases of the respiratory system	167.2	160.2	178.7	163.2	157
Influenza	70.1	20.7	44.8	13.5	19
Pulmonary tuberculosis	87.9	83.4	87.8	84.3	86

Table 34.—Deaths from bronchitis in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	De
State	801	22.0	99	120	99	59	74	48	37	39	39	47	71	
I. Upper Peninsula	135	49.6	12	14	11	16	19	10	5	9	4	7	9	
II. Northern counties	82	26.0	8	15	9	7	8	4	3	3	4	6	9	
III. Central counties	116	25.9	17	22	16	8	13	5	3	5	4	6	9	
IV. Southern counties	468	31.0	62	69	63	28	34	29	26	22	27	28	44	

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	8 an ove
398	403	296	403	14	417	9	10	15	18	25	71	120	

*Also two deaths at unknown age.

Table 35.—Deaths from bronchopneumonia in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	588	23.5	81	76	83	67	43	29	21	24	16	25	43	80
I. Upper Peninsula...	84	30.9	14	10	10	7	9	5	3	3	4	3	7	9
II. Northern counties..	58	18.4	12	6	6	6	3	3	2	4	2	4	4	6
III. Central counties...	67	14.9	9	11	13	13	5	1	1	2	.....	.....	2	10
IV. Southern counties..	379	25.1	46	49	54	41	26	20	15	15	10	18	30	55

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
297	291	258	404	19	423	5	8	15	11	17	30	47	31

*Also one death at unknown age.

Table 36.—Deaths from pneumonia in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,019	80.7	271	275	287	217	190	85	59	66	67	94	142	266
I. Upper Peninsula...	207	76.1	25	25	34	26	14	10	2	8	8	10	17	28
II. Northern counties..	224	71.0	44	21	19	28	13	10	14	11	12	12	15	25
III. Central counties...	328	73.1	33	58	50	38	37	15	9	9	9	19	19	32
IV. Southern counties..	1,260	83.4	169	171	184	125	126	50	34	38	38	53	91	181

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	40 to 59.	60 to 69.	70 to 79.	80 and over.
1,118	901	499	694	45	739	96	123	122	161	173	229	224	148

*Also four deaths at unknown age.

DISEASES OF THE DIGESTIVE SYSTEM.

Diseases affecting the digestive system are of great numerical importance as causes of death. While the titles included are not all of the same precision and definite value, we may consider the movement of these diseases in Michigan for the past five years in the following statement:

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total diseases digestive system	4,293	5,224	4,354	4,011	4,252
Diseases of stomach	550	650	508	565	543
Enteritis under 2 years	1,720	2,338	1,768	1,400	1,664
Enteritis, 2 years and over	588	611	526	457	451
Hernia and obstruction of bowels	241	243	332	314	287
Cirrhosis of liver	145	190	211	234	254
Other liver diseases	351	404	287	330	270
Peritonitis	306	343	277	246	304
Appendicitis	223	221	263	273	278
Other digestive diseases	169	224	182	192	201
	Death rates per 100,000 population.				
Total diseases of digestive system	180.0	215.7	177.5	162.0	169.9
Diseases of stomach	23.1	26.8	20.7	22.8	21.7
Enteritis under 2 years	72.2	96.6	72.1	56.6	66.5
Enteritis, 2 years and over	24.6	25.2	21.5	18.5	18.0
Hernia and obstruction of bowels	10.1	10.0	13.5	12.7	11.5
Cirrhosis of liver	6.1	7.8	8.6	9.5	10.1
Other liver diseases	14.7	16.7	11.7	13.3	10.8
Peritonitis	12.8	14.2	11.3	9.9	12.1
Appendicitis	9.3	9.1	10.7	11.0	11.1
Other digestive diseases	7.1	9.3	7.4	7.8	8.0

The high death rate from diarrheal diseases of children under two years of age should be considered in connection with the fact that the other diseases given are not limited to any particular age periods, excepting only the complementary statement of diarrhea and enteritis over two years of age. Even on this basis, the mortality from infantile diarrhea is much greater than that of any other disease in this group, and if comparison were made of the deaths of infants from diarrhea per 100,000 population of the same age, it would be found that the rates would be enormously increased.

In Tables 37, 38 and 39 th[illegible]thly prevalence, age, sex and

graphical distribution are shown for diseases of the stomach, diarrhea and enteritis under two years and diarrhea and enteritis of persons aged two years and over:

Table 37.—Deaths from diseases of the stomach in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	543	21.7	48	48	37	38	42	40	44	43	68	30	38	58
I. Upper Peninsula...	41	15.1	3	2	4	1	5	4	5	3	7	3	2	2
II. Northern counties..	64	20.3	6	3	3	8	3	4	4	5	8	3	8	9
III. Central counties...	115	25.6	8	10	6	6	11	8	9	8	17	12	9	11
IV. Southern counties..	323	21.4	31	33	24	23	23	24	26	27	36	21	19	36

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
289	254	153	188	4	192	4	17	25	36	53	73	90	53

Table 38.—Deaths from diarrhea and enteritis, under 2 years, in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	1,664	66.5	63	34	56	36	59	65	266	369	409	178	76	53
I. Upper Peninsula...	337	123.9	16	10	17	10	14	11	42	87	71	32	17	10
II. Northern counties..	253	80.2	9	6	7	3	7	5	31	53	85	30	9	8
III. Central counties...	245	54.6	10	4	11	5	8	2	28	46	78	34	11	8
IV Southern counties..	829	54.8	28	14	21	18	30	47	165	183	175	82	39	27

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over
915	749	1,376	1,664	.....	1,664	.....	.....	.....	.....	.....	.....	.....	.....

Table 39.—Deaths from diarrhea and enteritis, over 2 years, in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	451	18.0	18	23	19	25	14	26	47	64	95	57	30	33
I. Upper Peninsula	38	14.0	2	4	3	3	1	1	2	6	5	9	1	1
II. Northern counties	66	20.9	1	4	4	1	3	4	5	10	17	7	8	2
III. Central counties	70	15.6	1	2	4	4	2	3	8	13	15	9	2	7
IV. Southern counties	277	18.3	14	13	8	17	8	18	32	35	58	32	19	23

Deaths by sex, 1903.		Deaths by ages, 1903.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
237	214	.....	144	14	158	19	16	18	21	31	62	76	50

DISEASES OF THE GENITO-URINARY SYSTEM.

The principal cause of death in this group is Bright's disease, from which 1,279 deaths were returned for the year 1903, corresponding to a rate of 51.1 per 100,000 population. All other diseases of this class amounted to 600 or 24.0 per 100,000 population. "Bright's disease" includes acute and chronic nephritis, in various form, besides a considerable number of deaths from "uremia" or "uremic poisoning," which terms cannot be regarded as very definite. It would seem from comparison with the immediately preceding years that there has been some tendency to increase in the number of deaths returned as from Bright's disease.

Years.	Deaths from Bright's disease.	Death rates per 100,000 population.
1899	965	40.4
1900	852	35.2
1901	1,050	42.8
1902	1,198	48.4
1903	1,279	51.1

In Table 40 may be found a statement of the incidence of mortality from Bright's disease in the different sections of the State and by age and sex for the year:

Table 46.—Deaths from Bright's disease in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,279	51.1	118	83	112	100	117	108	116	118	96	96	107	108
I. Upper Peninsula	78	28.7	7	5	4	6	8	5	5	13	8	5	6	6
II. Northern counties	120	38.1	13	12	12	7	7	13	11	10	7	10	8	10
III. Central counties	182	40.6	17	9	16	17	23	18	14	13	12	14	16	13
IV. Southern counties	899	59.5	81	57	80	70	79	72	86	82	69	67	77	79

Deaths by sex, 1903.		Deaths by ages, 1903.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
757	522	26	47	18	65	37	61	91	140	187	277	306	115

DEATHS FROM VIOLENCE.

Deaths from accidents and all other forms of violence, including suicides and homicides, so far as the returns distinguish the causes of violent deaths, may be found in the following statement for the past five years:

	Deaths.				
	1899.	*1900.*	*1901.*	*1902.*	*1903.*
Total deaths from violence	1,796	1,966	2,251	2,149	2,381
Accidental	1,579	1,740	1,978	1,861	2,105
Suicidal	189	211	238	244	246
Homicidal	28	15	35	44	30
	Death rates per 100,000 population.				
Total deaths from violence	75.3	81.2	91.8	86.8	95.1
Accidental	66.2	71.9	80.7	75.2	84.1
Suicidal	7.9	8.7	9.7	9.9	9.8
Homicidal	1.2	0.6	1.4	1.8	1.2

Table 41.—Deaths from suicide in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	246	9.8	22	11	24	17	26	25	27	24	13	27	15	15
I. Upper Peninsula	24	8.8	....	1	....	2	4	2	5	3	1	2	1	3
II. Northern counties	26	8.2	1	2	5	....	4	2	3	3	1	3	2	.....
III. Central counties	40	8.9	10	1	3	2	1	7	5	2	1	3	2	3
IV. Southern counties	156	10.3	11	7	16	13	17	14	14	16	10	19	10	9

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
184	62	.....	.....	.....	.....	10	46	53	42	38	27	20	7

*Also three deaths at unknown age.

Table 42.—Deaths from accidents in Michigan, 1903.

Geographical sections.	Total deaths, 1903.	Death rate per 100,000 estimated population.	Deaths by months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	2,105	84.1	131	137	140	138	199	154	248	236	166	185	183	188
I. Upper Peninsula	397	146.0	25	21	28	23	32	28	41	44	40	47	33	35
II. Northern counties	250	79.3	21	17	16	23	21	14	32	23	22	24	23	14
III. Central counties	317	70.7	21	22	19	13	42	25	43	28	23	25	28	28
IV. Southern counties	1,141	75.5	64	77	77	79	104	87	132	141	81	89	99	111

Deaths by sex, 1903.		Deaths by ages, 1903.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,634	471	165	311	96	407	241	345	254	235	180	137	152	129

*Also 25 deaths at unknown age.

The age, sex and geographical distribution of the deaths reported from suicide and accidental violence may be found in Tables 41 and 42. The number of deaths from homicide is so small that it was not thought necessary to present a similar table, but full details may be found in the primary tables under this item in the classified list of causes of deaths.

PART III.—MARRIAGES IN MICHIGAN DURING THE YEAR 1903.

There were 26,029 marriages returned to the State Department as having occurred in Michigan during the year 1903. This number exceeds that registered for the preceding year by 376, and corresponds to a rate of 20.8 persons married per 1,000 estimated population. These figures may be compared in Table 2, page 3, with the corresponding figures for previous years of registration, from which it appears that the number of marriages for the year was the largest and the marriage rate the highest ever recorded in the State.

SUMMARY OF THE REGISTRATION OF MARRIAGES IN MICHIGAN, 1903.

Some of the most important facts relative to the registration of marriages in Michigan during the year 1903 are herewith presented:

Total number of marriages returned, 1903	26,029
Persons married per 1,000 estimated population	20.8

The above statement does not include 66 marriages performed by Judges of Probate under the act authorizing secret marriages in certain cases. Thirty-six of these secret marriages were at illegal ages according to the general laws of the State and others gave legal sanction to common-law unions, the couples being supposed to have been regularly married by the communities in which they live. A table showing the age distribution of these marriages may be found on page 163

As compared with the preceding year of registration, we have:

Increase of marriages registered for the year 1903 (26,029) over the number for 1902 (25,653)	376

As to the occurrence of marriages by months, we have:

More than average number	June, September, October, November, December
Less than average number	January, February, March, April, May, July, August
Favorite month for marriages, 1903	June, 3,072, or 29.9 per cent
Month of fewest marriages, 1903	March, 1,618, or 15.3 per cent

Of the 26,029 marriages, there were with respect to nativity:

Both bridegroom and bride of native birth	17,137, or 65.8 per cent
Both bridegroom and bride of foreign birth	3,344, or 12.8 per cent

Including mixed marriages, that is, marriages in which bridegroom and bride were of different nativities, there were:

Males of native birth married, 1903	19,384, or 74.5 per cent
Males of foreign birth married, 1903	6,626 or 25.4 per cent
Females of native birth married, 1903	20,375, or 78.3 per cent
Females of foreign birth married, 1903	5,281, or 20.3 per cent

As to age at marriage, the most important groups were:

Males aged 20 to 24 years, both inclusive	10,154, or 39.0 per cent
Males aged 25 to 29 years, both inclusive	7,719, or 29.7 per cent
Females under 20 years of age	7,040, or 27.0 per cent
Females *aged 20 to 24 years, both inclusive*	10,560, or 40.6 per cent

MARRIAGES AND MARRIAGE RATES BY COUNTIES, 1903.

Besides the primary tables giving a full statement of the marriages returned from each county by months and periods of ages of persons married (Table I, page 153, and Table II, page 155) together with the statement of nativity of persons married by counties (Table III, page 160), reference may be made to Table 6, which shows the marriage rates for each county for the year. These rates are stated, as is the preferable statistical custom, as the number of *persons married* per 1,000 estimated population. In general such comparisons of marriages or persons married to the population are subject to further analysis on the basis of the number of unmarried persons in the population and their age distribution. Such an exceptional rate as that of Berrien county is due to the large and increasing number of marriages of persons who are non-residents of the State. Aside from this exception, the rates of the other counties show considerable uniformity.

MARRIAGES RETURNED BY MONTHS, 1894-1903.

In Table 43 the marriages returned in Michigan for the past ten years are shown according to the months in which the ceremonies were performed. For 1903 the largest number occurred in June, 3,072, and the least number, 1,618, was in March. The distribution of marriages through the year must be considerably affected, however, by the large number of foreign marriages in Berrien county, most of which occurred during the summer excursion season.

Table 43.—Marriages returned, by months, for the years 1894-1903, with average for the ten-year period.

Years.	Total marriages.	Months of marriages.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1894	18,220	1,366	*1,060*	1,403	1,552	1,348	1,486	1,262	1,256	1,704	**2,034**	1,992	1,754	3
1895	18,952	1,389	1,342	*1,324*	1,536	1,456	1,690	1,367	1,349	1,658	**2,110**	2,036	1,694	1
1896	18,897	1,443	1,271	1,368	1,684	1,361	1,762	1,305	*1,238*	1,759	1,826	**2,023**	1,846	6
1897	18,579	*1,179*	1,273	1,426	1,441	1,354	1,828	1,235	1,258	1,719	1,887	**2,044**	1,935	.....
1898	20,138	1,397	*1,302*	1,400	1,613	1,482	2,056	1,315	1,487	1,793	2,043	**2,284**	1,979	7
1899	21,877	1,343	*1,311*	1,324	1,765	1,581	2,185	1,681	1,767	2,095	2,323	**2,464**	2,038	.....
1900	23,295	1,717	1,541	*1,322*	1,765	1,779	2,398	1,800	1,876	2,192	**2,496**	2,332	2,075	2
1901	24,079	1,624	1,372	*1,360*	1,922	1,779	2,537	1,934	1,897	2,376	**2,642**	2,321	2,211	4
1902	25,653	1,767	*1,430*	1,571	2,190	1,846	**2,753**	2,009	1,982	2,435	2,572	2,559	2,533	6
1903	26,029	1,720	1,669	*1,618*	2,080	1,905	**3,072**	1,902	2,082	2,598	2,424	2,520	2,417	22
Average 1894-1903	21,572	1,485	1,357	1,412	1,835	1,589	2,177	1,581	1,620	2,033	**2,236**	2,256	2,048	5

Maxima in **bold face**, minima in *italics*.

MARRIAGES BY MONTHS AND QUARTERS, 1903.

The distribution of marriages during the year 1903 is further shown in Table 44, where figures are given, not only for the numbers returned, but also showing the average number per day for each month, the rank on a standard scale and the rate per 1,000 persons married by months for the year. The month of highest rank, considered as to choice for marriage, was June, while March was the least frequently chosen.

Table 44.—Marriages in Michigan, by months and quarters, 1903.

Year and months.	Number of marriages, 1903.		Average number per day.	Rank.	Persons married per 1,000 estimated population.	Ten-year period, 1894-1903.		
	By months.	By quarters.				Average number.*	Average daily number.*	Rank.
Year 1903	26,029	26,029	71.3	1,200	20.8	22,733	62.3	1,200
January	1,720	5,007	55.5	78	16.2	1,565	50.5	81
February	1,669		59.6	84	13.3	1,430	51.1	82
March	1,618		52.2	73	15.3	1,488	48.0	77
April	2,080	7,057	69.3	97	20.3	1,934	64.5	103
May	1,905		61.5	86	18.0	1,674	54.0	87
June	3,072		102.4	144	29.9	2,294	76.5	123
July	1,902	6,580	61.4	86	17.9	1,666	53.7	86
August	2,082		67.2	94	19.6	1,707	55.1	88
September	2,598		86.6	121	25.3	2,143	71.4	115
October	2,424	7,361	78.2	110	22.9	2,355	76.0	122
November	2,520		84.0	118	24.6	2,377	79.2	127
December	2,417		78.0	109	22.8	2,140	69.0	111
Unknown	22	22	.....	.....	.....	5	.....	.....
Average	2,169	.....	.....	.....	.....	.....	.....	100

* Numbers given in Table 45 multiplied by 1.0538, the ratio between the estimated population of Michigan in 1903 and the average estimated population of the period 1894-1903. The monthly and daily numbers are, therefore, directly comparable for the year and ten-year period.

NATIVITY OF PERSONS MARRIED IN MICHIGAN, 1903.

The facts in regard to the nativity of persons married in Michigan during the year 1903, which may be found in detail in Table III, page 160, for each county of the State, are summarized in Table 45, and are compared by means of five-year averages with the corresponding figures for preceding years of registration in Table 46.

Out of the 26,029 marriages during the year, 17,137 were those in which both the bridegroom and bride were of native birth. This corresponds to a percentage of 65.8. The number of foreign born couples was 3,344, or 12.8 per cent. The percentage of native born couples increased somewhat, on the whole, from the earlier years of registration.

Table 45.—By nativity, the number and per cent of brides and bridegrooms returned for the year 1903.

Bridegrooms and brides—nativity specified.		Brides, 1903.			Bridegrooms, 1903.	
		Native born.	Foreign born.	Unknown.	Total of each nativity.	Per cent of each nativity.
Bridegrooms	Native born	17,137	1,984	313	19,384	74.5
	Foreign born	3,224	3,344	58	6,626	25.4
	Unknown	14	3	2	19	0.1
Brides	Total of each nativity	20,375	5,281	373	26,029	.....
	Per cent of each nativity	78.3	20.3	1.4	.....	100.0

Table 46.—Nativity of marriages in Michigan for the years 1901-1903; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Nativity of marriages.—Per cent of total.				
	Both native born.	Both foreign born.	Foreign groom and native bride.	Native groom and foreign bride.	One or both unknown.
Average, 1871-75	59.7	18.5	12.3	7.0	2.6
Average, 1876-80	63.2	14.0	13.3	7.4	2.2
Average, 1881-85	58.2	19.4	12.4	8.7	1.3
Average, 1886-90	56.4	20.3	13.2	8.1	2.0
Average, 1891-95	58.0	18.2	13.2	7.9	2.6
Average, 1896-1900	63.1	14.0	12.5	8.0	2.3
Year 1901	64.8	12.9	12.8	7.9	1.6
Year 1902	65.0	12.9	13.1	7.6	1.3
Year 1903	65.8	12.8	12.4	7.4	1.2

AGES OF PERSONS MARRIED IN MICHIGAN, 1903.

Table II, beginning on page 155, shows the age distribution of persons married in Michigan by counties during the year, and Table IV, on page 162, shows the various age combinations of persons married by sex; that is to say, how many males under 20 married females of the same age period; how many married females aged 20-24 years, 25-29 years, and so on in order. The group of ages at which the greatest number of marriages occurred is that in which both the males and females were aged from 20-24 years, the number of marriages at these ages being 5,135. Next in order comes the group of males aged 20-24 years and females under 20, of which the number was 4,425, and then the group of males aged 25-29 years, with females aged 20-24 years, numbering 3,731. These three groups include 13,291 marriages or a trifle over 50 per cent of the total number recorded. The proportions of males and females married at each age period may be seen in Tables

47 and 48, respectively, with comparisons of six quinquennial periods.

In 1903 the favorite marriage age for males was the period 20-24 years, at which 39.0 per cent of males were married.

With females the proportion of marriages under twenty years of age is somewhat less than it was during the earlier years of registration, being only 27.0 per cent.

Table 47.—Percentage of males married in Michigan at specified periods of age for the year 1903; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Ages of males married, 1871-1903.														
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.
Average, 1871-75	2.6	41.2	29.5	10.6	5.5	3.3	2.3	1.7	1.0	0.8	0.5	0.3	.1	....	0.6
Average, 1876-80	2.6	40.8	29.8	10.8	5.6	3.2	2.2	1.6	1.1	0.8	0.5	0.3			0.5
Average, 1881-85	2.3	39.5	30.7	11.4	5.7	3.2	2.2	1.6	1.0	0.9	0.5	0.3			0.4
Average, 1886-90	2.1	37.7	32.4	12.2	5.7	3.0	2.4	1.5	1.1	0.8	0.6	0.3			0.1
Average, 1891-95	1.9	38.1	30.8	12.7	6.0	3.2	2.3	1.7	1.2	0.9	0.7	0.3			.....
Average, 1896-1900	1.8	37.7	30.6	12.5	6.6	3.4	2.5	1.7	1.2	0.9	0.6	0.3	.1		.....
Year 1901	1.9	37.2	30.3	13.0	6.6	3.8	2.4	1.6	1.2	0.9	0.6	0.3			.....
Year 1902	1.9	38.3	30.2	12.0	6.6	3.7	2.4	1.7	1.2	0.8	0.6	0.2	.2	....	.....
Year 1903	2.1	39.0	29.7	11.9	6.4	3.6	2.3	1.7	1.3	0.8	0.6	0.3	0.1	....	.....

Table 48.—Percentages of females married in Michigan at specified periods of age for the year 1903; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Ages of females married, 1871-1903.														
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.
Average, 1871-75	36.9	36.5	12.7	5.0	3.0	2.0	1.	0.8	0.5	0.3	0.	....	....	....	0.9
Average, 1876-80	37.4	37.4	11.7	4.7	3.1	1.9	.3	0.8	0.5	0.3	0.	....	....	....	0.7
Average, 1881-85	33.8	38.7	13.7	4.9	3.1	1.9	1.3	0.8	0.5	0.3	0.2	0.1	....	....	0.6
Average, 1886-90	32.8	39.5	14.2	5.2	2.9	1.9	1.3	0.9	0.6	0.4	0.2	0.1	....	....	0.2
Average, 1891-95	30.8	40.6	14.3	5.3	3.1	2.0	1.4	1.0	0.6	0.5	0.2	0.1		....	.....
Average, 1896-1900	28.1	41.3	15.5	5.7	3.4	2.0	1.5	1.0	0.7	0.5	0.2	0.1		....	.....
Year 1901	27.2	40.7	16.5	6.2	3.4	2.1	1.4	0.9	0.6	0.4	0.3	0.1		....	.....
Year 1902	27.3	40.4	16.4	6.0	3.5	2.3	1.5	1.0	0.7	0.4	0.2	0.1		....	.....
Year 1903	27.0	40.6	16.8	5.9	3.5	2.2	1.5	1.0	0.6	0.5	0.2	0.1		....	.....

PART IV.—DIVORCES IN MICHIGAN DURING THE YEAR 1903.

There were 2,941 divorces granted in Michigan during the year 1903, according to the returns of the county clerks to the Secretary of State. This number, as shown in Table 6, corresponds to a rate of 2.4 persons divorced per 1,000 living population, which it will be noted, is about one-tenth of the marriage rate for the year; in other words, there was about one divorce granted to every ten marriages in the State during the year. It should be observed, however, that the marriages are based on the unmarried population at marriageable ages, while the divorces are drawn from the number of married couples in Michigan, hence there can be no direct comparison between the frequency of marriage and divorce considered with reference to the population capable of contributing to these events without further analysis of the figures.

CHILDREN AFFECTED BY DISSOLUTION OF FAMILIES, 1903.

From Table II, page 170, which, however, is presented in condensed form in Table 49 herewith, it will be noted that of the 2,941 divorces granted during the year, 823, or 28.0 per cent, were granted on the application of the husband, and 2,118 or 72.0 per cent, on application of the wife.

It is noticeable that in 1,420 cases of divorces granted during the year, or about fifty per cent of the total number there were no children in the families broken up by divorce.

Table 49.—Children affected by divorces in Michigan during the year 1903, showing the relation of sex of complainant to size of family.

Complainants.	Total divorces granted, 1903.	Number of children in family.														
		None.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	13.	14.	Unk.
Total divorces	2,941	1,420	664	393	165	110	55	29	15	6	3	5	1	1	1	73
Husbands	823	464	148	106	35	25	13	5	4	4	.....	.....	.....	.....	.....	19
Wives	2,118	956	516	287	130	85	42	24	11	2	3	5	1	1	1	54
Per cent of husbands	28.0	32.7	22.3	27.0	21.2	22.7	23.6	17.2	26.7	66.7	.....	.....	.....	.....	.....	26.0
Per cent of wives	72.0	67.3	77.7	73.0	78.8	77.3	76.4	82.8	73.3	33.3	100.0	100.0	100.0	100.0	100.0	74.0
Total number of children affected	3,102	0	664	786	495	440	275	174	105	48	27	50	11	13	14	.....

The total number of children affected by divorces granted was 3,102 or an average of over one child to each divorce granted in the State.

DURATION OF MARRIAGE PRIOR TO DIVORCE, 1903.

According to Table 50 there were 893 divorces granted in which the couples had been married less than five years; then follow the group 5-9 years, inclusive, 740; 10-14 years, 551; 15-19 years, 294. The number of divorces granted decreases very rapidly from this point until the period 50-54 years is reached, which shows only one divorce. According to the returns, there were no divorces granted after this period.

Table 50.—Duration of marriages terminated by divorces granted in Michigan during 1903, showing relation of sex of complainant to lapse of time before divorce.

Complainants.	Divorces granted, 1903.	Duration of marriage before divorce.																
		Years under five.					Five-year periods.											
		Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unk.
Total divorces..	2,941	82	162	184	251	214	893	740	551	294	215	124	68	27	11	4	1	13
Husbands.....	823	26	50	59	59	63	257	219	148	63	48	40	23	14	5	1	.....	5
Wives.....	2,118	56	112	125	192	151	636	521	403	231	167	84	45	13	6	3	1	8
Per cent of husbands	28.0	31.7	30.9	32.1	23.5	29.4	28.8	29.6	26.7	21.4	22.3	32.2	33.8	51.8	45.4	25.0	.....	38.5
Per cent of wives...	72.0	68.3	69.1	67.9	76.5	70.6	71.2	70.4	73.3	78.6	77.7	67.8	66.2	48.2	54.6	75.0	100.0	61.5

CAUSES OF DIVORCES GRANTED IN MICHIGAN, 1903.

According to the returns, as shown in Table 51, "Cruelty" was the leading cause, as usual, for divorces, or 35.5 per cent of the total number granted, being attributable to it, as compared with 34.2 per cent for 1902. Of this number, 358 were granted on complaint of the husband, and 687 on complaint of the wife. The next in order as a leading cause for divorce was "desertion," with 624 divorces, 324 being granted on complaint of the husband and 300 on complaint of the wife. "Non-support" would follow next in order, there being 414 divorces from this cause, 406 being on complaint of the wife and 8 on complaint of the husband. "Drunkenness" shows 47 divorces granted, 4 being on complaint of the husband and 43 on complaint of the wife.

Table 51.—Principal causes of divorce in Michigan during the year 1903, showing by sex the percentage of complainants from each cause.

Causes alleged.	Number of divorces granted, 1903.			Per cent of total.		
	Total.	To husbands.	To wives.	Total.	To husbands.	To wives.
All causes	2,941	823	2,118	100.0	100.0	100.0
Adultery	*78*	*52*	*26*	*2.7*	*6.3*	*1.2*
Adultery (sole cause alleged)	58	40	18	2.0	4.9	0.8
Adultery (with other causes)	20	12	8	0.7	1.5	0.4
Cruelty	*1,559*	*424*	*1,135*	*53.0*	*51.5*	*53.6*
Cruelty (sole cause alleged)	1,045	358	687	35.5	43.5	32.4
Cruelty (with other causes)	514	66	448	17.5	8.0	21.2
Desertion	*894*	*377*	*517*	*30.4*	*45.8*	*24.4*
Desertion (sole cause alleged)	624	324	300	21.2	39.4	14.2
Desertion (with other causes)	270	53	217	9.2	6.4	10.2
Drunkenness	*176*	*10*	*166*	*6.0*	*1.2*	*7.8*
Drunkenness (sole cause alleged)	47	4	43	1.6	0.5	2.0
Drunkenness (with other causes)	129	6	123	4.4	0.7	5.8
Nonsupport	*966*	*24*	*942*	*32.8*	*2.9*	*44.5*
Nonsupport (sole cause alleged)	414	8	406	14.1	1.0	19.2
Nonsupport (with other causes)	552	16	536	18.8	1.9	25.3

PART V.—BIRTHS IN MICHIGAN DURING THE YEAR 1903.

The number of births in Michigan during the year 1903, according to the returns received from the county clerks, was 46,020, an increase of 474 births, as compared with the returns of the preceding year. The birth rate for the year 1903 was 18.4 per 1,000 estimated population.

SUMMARY OF THE ENUMERATION OF BIRTHS FOR THE YEAR 1903.

The following statements include the more important features of the enumeration of births in Michigan for the year 1903:

Total number of births returned, 1903	46,020
Birth rate per 1,000 estimated population	18.4

Exclusive of stillbirths, there were:

Children born alive, 1903	45,511
Children born alive per 1,000 estimated population	18.2

Compared with the previous year, we have:

Increase of births for 1903 (46,020) over 1902 (45,546)	474

The following is the distribution of births returned according to sex:

Male children born, 1903	23,802
Female children born, 1903	22,218
Males born per 100 births of females	107

The parent nativity of children born in 1903, exclusive of births to parents of different nativities, may be stated:

Born to parents both of native birth, 1903	22,498
Born of parents both of foreign birth, 1903	13,579

Of the 46,020 children born in 1903, according to the returns, there were:

Stillbirths (males, 294, females, 215)	509
Stillbirth rate per 1000 estimated population	0.2
Stillbirths per 1,000 living births	11.1

Plural births are of interest. Including three sets of triplets, there were:

Twin children (males, 407; females, 367)	774

The reported rate of illegitimacy is low for Michigan. In 1903 there were returned:

Illegitimate births (males, 254; females, 236)	490
Illegitimate births per 1,000 births, 1903	10.7

Table 52.—Births returned, by months, for the years 1894-1903 inclusive, with average for the ten-year period. (Stillbirths included).

Years.	Total for year.	Months.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1894	44,596	*2,889*	3,020	3,854	3,896	3,866	3,735	3,917	3,981	3,778	3,750	3,684	**4,204**	22
1895	46,273	*3,204*	3,240	3,827	4,742	4,022	3,745	3,989	4,346	4,214	3,997	3,750	4,159	38
1896	46,302	3,322	*3,184*	3,781	3,862	3,918	3,697	3,879	4,405	4,208	3,994	3,842	4,155	55
1897	43,688	3,295	*3,207*	3,777	3,654	3,794	3,423	3,739	3,863	3,853	3,717	3,571	3,767	28
1898	43,462	*3,043*	3,173	3,856	3,534	3,724	3,554	3,612	3,894	3,807	3,801	3,492	**3,920**	52
1899	41,818	*3,099*	3,134	3,681	3,652	3,494	3,199	3,633	3,785	3,758	3,454	3,262	3,636	31
1900	43,699	*3,069*	3,105	3,821	3,930	3,755	3,501	3,777	3,933	3,880	3,658	3,415	3,762	43
1901	43,221	*2,874*	3,087	3,782	3,682	3,594	3,492	3,745	3,926	3,953	3,633	3,438	3,881	34
1902	45,546	3,220	*3,200*	3,881	3,667	3,888	3,786	4,065	4,154	3,963	3,893	3,741	4,049	39
1903	46,020	*3,227*	3,239	3,796	3,752	4,042	3,841	3,848	4,189	4,046	3,976	3,882	4,121	61
Average 1894-1903	44,463	*3,134*	3,159	3,806	3,837	3,810	3,597	3,820	4,053	3,946	3,787	3,608	3,965	40

Maxima in **bold face**; minima in *italics*.

Table 53.—Parent nativity of children born in Michigan during 1903. (Stillbirths included.)

Nativity of parents of children born, 1903.	Number of births, 1903.			Per cent of total.		
	Total.	Males.	Females.	Total.	Males.	Females.
All nativities	46,020	23,802	22,218	100.0	100.0	100.0
Both parents native born	22,498	11,597	10,901	48.9	48.7	49.1
Both parents foreign born	13,579	6,996	6,583	29.6	29.4	29.6
Foreign father and native mother	5,617	2,947	2,670	12.2	12.4	12.0
Foreign mother and native father	3,241	1,679	1,562	7.0	7.1	7.0
Unknown mother, father native	112	65	47	0.2	0.3	0.2
Unknown mother, father foreign	87	43	44	0.2	0.2	0.2
Unknown father, mother native	192	96	96	0.4	0.4	0.4
Unknown father, mother foreign	74	38	36	0.2	0.2	0.2
Both unknown	620	341	279	1.3	1.4	1.3
One or both native	31,660	16,384	15,276	68.8	68.8	68.8
One or both foreign	22,598	11,703	10,895	49.1	49.2	49.0

Table 54.—Parent nativity of children born in Michigan for each of the years 1894-1903 inclusive; with average for the ten-year period. (Stillbirths included).

Years.	Nativity of parents of children,—per cent of total.												
	Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	One or both unknown.	Father—			Mother—			One or both parents native born.*	One or both parents foreign born.*
						Native.	Foreign.	Unknown.	Native.	Foreign.	Unknown.		
1894	43.0	35.6	11.4	6.8	3.3	50.4	47.9	1.7	54.9	42.5	2.6	62.3	54.8
1895	43.4	35.5	11.3	6.8	3.0	50.7	47.0	2.2	55.3	42.5	2.2	62.6	54.1
1896	43.0	35.5	11.8	6.8	3.0	50.0	47.5	2.5	55.3	42.5	2.3	62.3	54.5
1897	43.6	34.3	11.7	7.2	3.0	51.2	46.2	2.6	55.9	41.8	2.4	63.3	53.6
1898	44.8	32.9	12.0	7.3	3.0	52.4	45.2	2.4	57.5	40.6	2.0	65.1	52.8
1899	44.3	33.4	12.0	7.5	2.9	52.0	45.6	2.4	56.8	41.0	2.2	64.5	53.2
1900	45.6	32.5	12.1	7.3	2.5	53.2	44.7	2.0	58.1	39.9	2.0	65.7	52.0
1901	47.1	31.4	12.2	7.4	2.0	54.7	43.7	1.6	59.7	38.9	1.5	67.3	51.2
1902	48.3	30.6	12.1	7.1	1.9	55.7	42.9	1.4	60.8	37.8	1.4	69.1	51.0
1903	48.9	29.6	12.2	7.0	2.3	56.1	42.0	1.9	61.5	36.8	1.7	70.1	50.4
Average, 1894-1903	45.2	33.1	11.9	7.1	2.7	52.6	45.3	2.1	57.6	40.4	2.0	65.2	52.8

* Including cases where nativity of either parent is unknown.

Table 55.—Parent nativity of children born in Michigan during the year 1903, compared with averages for six quinquennial periods, 1871-1900. (Stillbirths included).

Years and periods averaged.	Nativity of parents.—Per cent of total.				
	Both native born.	Both foreign born.	Foreign father and native mother.	Native father and foreign mother.	One or both unknown.
Average, 1871-75	44.8	34.3	9.5	5.2	6.2
Average, 1876-80	46.0	34.1	11.0	5.7	3.1
Average, 1881-85	43.7	35.5	11.5	6.2	2.8
Average 1886-90	42.7	37.6	10.7	6.2	2.1
Average, 1891-95	41.5	37.8	11.1	6.5	3.1
Average, 1896-1900	44.3	33.7	11.9	7.2	2.9
Year 1901	47.1	31.4	12.2	7.4	1.1
Year 1902	48.3	34.0	12.1	7.1	1.9
Year 1903	48.9	29.6	12.2	7.0	2.3

CLIMATOLOGICAL DATA FOR MICHIGAN, 1903.

The following data relating to the meteorological conditions in Michigan for the year 1903 have been kindly supplied to this Department by Mr. C. F. Schneider, Director of the Michigan State Weather Service, in co-operation with the Climate and Crop Service of the Weather Bureau, U. S. Department of Agriculture. Fuller details may be found in the annual report of the State Weather Service for the year, but the data herewith presented will be found convenient for comparing with the mortality statistics contained in this Report.

In Table 56 the temperature and amount of precipitation for the year are compared with the years 1888-1902, both inclusive, this period extending back to the formation of the State Weather Service. The average of the statistics for these years constitutes the "normal" which is used as a basis of reference in making comparisons of the meteorology of the current year.

REVIEW OF THE YEAR 1903.

Annual Temperature.—The mean annual temperature for the year 1903 was 44.2 degrees, or 0.3 of a degree below the normal. December was the coldest month of the year with a mean of 19.0 degrees. July was the warmest month, its mean temperature being 67.9 degrees, which was 1.1 below the normal.

Wide departures from the normal occurred in March, June and December, the excess departure in March being the greatest. Altogether the mean temperatures of four months were above the normal; the remaining eight were below.

The maximum temperature for the year, 99 degrees, occurred on July third at Owosso; the lowest temperature, —39 degrees, occurred on February sixteenth at Humboldt.

Annual Precipitation.—The annual mean total precipitation was 32.72 inches, which is 1.63 inches more than the normal. As in the year 1902 the precipitation during the year 1903 was deficient in the Upper Peninsula and northern counties, but was slightly in excess of the normal in the central and southern counties.

Pressure.—The average annual barometric pressure for the State, reduced to 32 degrees Fah. and standard gravity and corrected for elevation, was 30.01 inches. The barometer averaged highest, 30.15 inches, during March, and lowest, 29.92 inches, during January. The highest reading of the year, 30.74 inches, occurred on November 20th; the lowest reading, 29.02 inches, occurred on January seventh; this makes an extreme yearly range of 1.72 inches.

Wind Movement.—The average monthly total wind movement for the year was 7,218 miles and the average hourly velocity for the year was 10.0 miles. The maximum velocity of wind for the year was 56 miles *from the southwest on* July fourth.

The greatest monthly average total wind movement, 8,562 miles, occurred during April and the least monthly average total wind movement, 5,802 miles, occurred during June. The average hourly velocity during April was 11.9 miles; during June it was 8.1 miles.

January.—The mean temperature was 20.7 degrees, or 0.2 of a degree below the normal. The highest temperature was 55 degrees at Traverse City on the 1st, and at Dundee and Grape on the 29th; the lowest temperature was —32 degrees at Humboldt on the 14th.

The average total precipitation was 1.77 inches, or 0.39 of an inch below the normal. The greatest monthly amount, 4.45 inches, occurred at Cassopolis; the least monthly amount, 0.21 of an inch, at Eagle Harbor.

February.—The mean temperature was 21.0 degrees, or 2.1 degrees above the normal. The highest temperature was 53 degrees on the 2nd at Grape; the lowest temperature was —39 degrees on the 16th at Humboldt.

The average total precipitation was 2.25 inches, or 0.39 of an inch above the normal. The greatest monthly amount was 4.12 inches at Wasepi; the least monthly amount was 0.10 of an inch at Humboldt.

March.—The mean temperature was 37.4 degrees, or 9.4 degrees above the normal. The highest temperature was 80 degrees at Adrian on the 18th and 19th; the lowest temperature was —4 degrees at Ironwood on the 1st.

The average total precipitation was 1.86 inches, or 0.67 of an inch below the normal. The greatest monthly amount, 5.07 inches, occurred at Detour; the least monthly amount, 0.20 of an inch, occurred at Owosso.

April.—The mean temperature was 42.7 degrees, or 0.4 of a degree below the normal. The highest temperature was 88 degrees on the 29th at Carsonville; the lowest temperature was zero at Humboldt on the 1st.

The average total precipitation was 3.06 inches, or 1.24 of an inch above the normal. The greatest monthly amount was 10.50 inches at Iron River; the least monthly amount was 0.10 of an inch at Cheboygan.

May.—The mean temperature was 56.4 degrees, or 2.0 degrees above the normal. The highest temperature was 92 degrees at Clinton on the 17th; the lowest temperature was 10 degrees at Iron River on the 1st.

The average total precipitation was 2.77 inches, or 0.57 of an inch below the normal. The greatest monthly amount was 8.71 inches at Ishpeming; the least monthly amount was 0.50 of an inch at Mancelona.

June.—The mean temperature was 59.8 degrees, or 4.6 degrees below the normal. The highest temperature was 94 degrees on the 30th at Owosso; the lowest temperature was 18 degrees on the 10th at Humboldt.

The average total precipitation was 2.65 inches, or 0.49 of an inch below the normal. The greatest monthly amount was 6.32 inches at Detroit; the least monthly amount was 0.35 of an inch at Thomaston and Mancelona.

July.—The mean temperature was 67.9 degrees, or 1.1 degrees below the normal. The highest temperature was 99 degrees at Owosso on the 3d; the lowest temperature was 20 degrees at Baraga and Wetmore on the 1st.

The average total precipitation was 3.97 inches, or 0.60 of an inch above the normal. The greatest monthly amount, 9.50 inches, occurred at Iron River; the least monthly amount, 0.17 of an inch, occurred at Lake City.

August.—The mean temperature was 63.1 degrees, or 3.3 degrees below the normal. The highest temperature was 95 degrees on the 24th at Berrien Springs; the lowest temperature was 31 degrees on the 8th at Baraga and on the 12th at Ewen.

The average total precipitation was 4.72 inches, or 2.39 inches above the normal. The greatest monthly amount, 7.84 inches, occurred at Alma; the least monthly amount, 0.51 of an inch, occurred at Charlevoix.

September.—The mean temperature was 59.7 degrees, or 0.3 of a degree below the normal. The highest temperature was 92 degrees at Cassopolis on the 6th and 8th and at Adrian on the 4th; the lowest temperature was 20 degrees at Roscommon on the 29th.

The average total precipitation was 3.42 inches, or 0.58 of an inch above the normal. The greatest monthly amount was 8.05 inches at Bay City; the least monthly amount was 0.25 of an inch at Cheboygan.

October.—The mean temperature was 49.7 degrees or 1.4 degrees above the normal. The highest temperature was 90 degrees on the 3rd at South Haven; the lowest temperature was 13 degrees at Baldwin on the 27th.

The average total precipitation was 2.17 inches, or 0.52 of an inch below the normal. The greatest monthly amount, was 5.88 inches at Mackinac Island; the least monthly amount was 0.10 of an inch at Lake City.

November.—The mean temperature was 33.0 degrees or 2.2 degrees below the normal. The highest temperature was 78 degrees at Chatham on the 1st and 3rd; the lowest temperature was —10 degrees at Humboldt on the 25th and at Iron River on the 28th.

The average total precipitation was 1.89 inches, or 0.93 of an inch below the normal. The greatest monthly amount, 5.17 inches, occurred at Houghton; the least monthly amount, 0.47 of an inch occurred at Onaway.

December.—The mean temperature was 19.0 degrees, or 6.8 degrees below the normal. The highest temperature was 43 degrees on the 24th at Mt. Pleasant; the lowest temperature was —25 degrees on the 13th at Ironwood.

The average precipitation was 2.19 inches, which is identical with the normal. The greatest monthly amount, 5.17 inches, occurred at Kalamazoo; the least monthly amount, 0.45 of an inch, occurred at Plymouth.

Table 56.—Temperature and amount of precipitation in Michigan during the year 1903 compared with previous years.

Year.	Temperature.					Average yearly precipitation (inches).	Average total snowfall (inches).
	Yearly mean.	Highest.	Date.	Lowest.	Date.		
1888	43.8	102	June 17	—36	January 21 February 9	28.68	67.9
1889	45.3	102	July 8	—33	February 24	26.86	57.7
1890	45.6	104	August 3	—35	March 6	34.23	44.6
1891	46.2	103	August 8	—28	February 4	30.65	42.8
1892	44.6	101	July 26	—26	January 20	33.69	50.1
1893	43.6	100	June 20 July 13 August 10	—31	January 15	34.55	81.2
1894	46.8	102	July 27	—31	February 24	28.00	45.2
1895	44.6	101	July 7	—38	February 6	26.90	71.4
1896	45.8	100	June 6	—29	February 17	31.74	42.8
1897	44.9	104	July 19	—43	February 26	31.23	57.0
1898	46.0	101	July 24 August 23	—35	December 31	32.29	61.5
1899	44.9	100	July 24 August 19, 20	—49	February 7	28.99	48.8
1900	46.0	100	August 4, 5	—38	February 25, 26	32.31	59.8
1901	44.6	108	July 15	—28	January 3 December 21	28.06	60.6
1902	45.2	98	July 7, 24	—31	January 28	32.53	36.0
Normal	45.2	102	July 22	—34	February 3	30.71	55.2
1903	44.2	99	July 3	—30	February 16	32.72	59.5

Table 57.—Relative humidity, wind movement and atmospheric pressure in Michigan during the year 1903.

Year and months, 1903.	Mean relative humidity (per cent).	Wind movement (in miles).			Atmospheric pressure reduced to 32° and sea level.					
		Average total movement.	Average hourly velocity.	Highest velocity with direction from and date.	Mean.	Highest.	Date.	Lowest.	Date.	Absolute range.
Year 1903	77.5	7,278	10.0	56-sw-July 4	30.01	30.74	Nov. 20	29.02	Jan. 7	1.72
January	83.4	8,147	11.0	45-w-30	29.92	30.54	19	29.02	7	1.52
February	81.2	7,521	11.2	48-w-2	30.05	30.60	19	29.15	4	1.45
March	83.6	7,367	9.9	50-sw-24	30.15	30.61	29	29.49	24	1.12
April	70.8	8,562	11.9	43-n-8	29.96	30.44	5	29.25	2	1.19
May	70.7	7,015	9.4	48-sw-27	30.07	30.51	31	29.38	27	1.13
June	72.1	5,802	8.1	40-sw-30	29.97	30.46	1	29.35	23	1.11
July	73.5	6,198	8.3	56-sw-4	29.95	30.28	26,31	29.55	1	0.73
August	78.2	6,853	8.5	48-sw-21	29.99	30.41	2	29.53	21	0.88
September	76.5	7,005	9.7	49-nw-23	30.05	30.40	19	29.42	26	0.98
October	76.8	7,592	10.2	48-sw-3	30.04	30.51	26	29.15	7	1.36
November	78.2	7,678	10.7	48-sw-9	30.04	30.74	20	29.09	11	1.65
December	83.4	8,118	10.9	44-nw-21	29.97	30.41	14	29.27	21	1.14

Table 58.—Temperature, precipitation, sky and direction of wind in Michigan for the State and geographical sections, 1903.

Year and months by geographical sections.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.			Prevailing direction of wind.
	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days with precipitation.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Year, 1903—STATE	44.2	−0.3	99	July 3	−39	Feb. 16	60	32.72	+1.63	4.40	59.5	100	136	88	141	s w
January	20.7	−0.2	55	1, 29	−32	14	50	1.77	−0.39	1.50	12.5	9	7	7	17	s w
February	21.0	+2.1	53	2	−39	16	50	2.25	+0.39	1.80	14.3	7	9	7	12	s w
March	37.4	+9.4	80	18, 19	−4	1	49	1.86	−0.67	2.50	1.7	7	11	8	12	s w
April	42.7	−0.4	88	29	0	1	56	3.06	+1.24	4.40	2.8	8	13	5	12	n e
May	56.4	+2.0	92	17	10	1	60	2.77	−0.57	3.22	0.1	8	15	8	8	s w
June	59.8	−4.6	94	30	18	10	53	2.65	−0.49	4.18	0	8	13	8	9	n w
July	67.9	−1.1	99	3	20	1	55	3.97	+0.60	3.47	0	8	15	10	6	n w
August	63.1	−3.3	95	24	31	8, 12	45	4.72	+2.39	4.10	0	11	11	8	12	s w
September	59.7	−0.3	92	4, 6, 8	20	29	54	3.42	+0.58	2.35	T	10	12	9	9	s w
October	49.7	+1.4	90	3	13	27	48	2.17	−0.52	2.87	T	5	16	6	9	s w
November	33.0	−2.2	78	1, 3	−10	25, 28	55	1.89	−0.93	1.38	9.7	8	9	6	15	s w
December	19.0	−6.8	47	23	−25	13	43	2.19	0.00	1.80	18.4	11	5	6	20	s w
Year, 1903—I. UPPER PENIN'LA.	39.9	+0.1	95	July 7	−39	Feb. 16	60	33.78	−0.26	4.40	70.9	113	154	68	143	w
January	16.6	+0.6	50	1	−32	14	50	1.46	−0.63	1.50	11.7	8	9	7	15	w
February	16.5	+2.9	50	25, 26	−39	16	50	1.45	−0.50	1.20	12.4	8	13	6	9	n w
March	31.2	+9.5	62	30, 31	−4	1	39	2.68	+0.68	1.82	3.6	8	13	6	12	w, s n w
April	38.3	−0.5	77	27	0	1	56	2.05	+0.33	4.40	5.3	8	13	4	13	n, n e n w
May	50.8	+1.4	88	17	10	1	60	4.41	−1.63	2.29	0.3	13	14	6	11	n e
June	56.0	−3.7	89	4	18	10	52	1.57	−2.11	4.18	0	6	18	6	6	n w
July	63.1	−1.9	95	7	20	1	55	5.18	+2.35	2.75	0	11	16	8	7	w
August	59.1	−3.0	89	15, 21	31	8, 12	43	4.06	+1.15	1.96	0	10	13	6	12	w
September	55.2	−1.9	86	22	23	17	49	3.49	−0.28	1.96	T	11	12	6	12	s w
October	46.8	+3.1	79	29	16	22, 26	45	2.99	+0.25	2.75	T	8	18	4	9	w
November	29.9	−0.1	78	1, 3	−10	25, 28	54	2.56	+0.27	1.18	19.2	11	9	4	17	s w
December	14.9	−5.6	38	6	−25	13	42	1.88	−0.14	1.00	18.4	11	6	5	20	w, n w
Year, 1903—II. NORTHERN Co's.	43.2	0.0	94	July 4, 8	−22	Dec. 26	54	28.06	−4.31	2.70	61.5	89	135	73	157	n w
January	20.4	+0.4	55	1	−11	19	47	1.95	−0.28	1.40	15.2	8	6	6	19	n w
February	19.6	+2.3	51	10	−21	18	48	2.01	+0.35	1.80	13.7	8	7	7	14	n w
March	36.6	+10.3	77	19	−3	1	49	2.10	−0.11	2.50	2.0	5	11	7	13	s w
April	41.6	−0.5	81	29	10	4	48	2.28	+0.37	1.83	0.2	7	14	4	12	n w
May	55.0	+2.3	91	17	12	1	50	2.12	−0.80	2.00	T	7	16	5	10	s w
June	58.9	−3.4	90	27	25	12	53	2.08	−0.92	2.02	0	5	14	6	10	n w
July	67.0	−0.3	94	4, 8	31	31	51	2.97	−0.37	2.56	0	7	16	8	7	n w
August	61.7	−3.6	89	5	33	7	45	4.14	−1.12	2.70	0	9	9	7	15	n w
September	58.4	−0.4	89	23	20	29	54	2.81	+0.13	2.08	T	10	11	9	10	s w
October	49.0	+1.9	82	3	13	27	48	1.71	−0.55	1.93	T	6	17	4	10	n w
November	32.0	−2.1	77	4	−2	26, 27	55	1.78	−0.90	1.38	9.6	7	9	5	16	n w
December	18.4	−6.3	41	7	−22	26	43	2.11	−0.11	1.20	20.8	10	5	5	21	n w

Table 58.—Concluded.—Temperature, precipitation, sky and direction of wind in Michigan for the State and geographical sections, 1903.

Year and months by geographical sections.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.			Prevailing direction of wind.
	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days with precipitation.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Year, 1903—III Central Co.'s..	45.7	−0.5	98	July 6....	−16	Feb. 17...	52	32.15	+2.44	3.22	48.8	98	121	113	131	s w
January.....	22.5	+0.4	49	29	−8	19	43	1.71	−0.39	1.00	10.7	9	7	9	15	w, n w
February.....	22.7	+3.2	50	2	−16	17	41	2.39	+0.79	1.20	14.6	9	7	9	12	s w
March.....	39.3	+9.5	78	19	5	1	46	1.34	−1.25	1.00	1.2	6	10	10	11	s w
April.....	44.6	−0.2	88	29	13	5	48	2.73	+1.08	1.90	0.6	8	12	7	11	n e
May.....	58.3	+1.6	89	18	17	1	52	2.69	−0.58	3.22	T	7	13	11	7	s, s w
June.....	60.8	−4.7	91	8	27	2	44	2.92	+0.44	1.95	0	9	12	9	9	n e
July.....	70.1	−0.4	98	6	40	15, 16	43	2.27	−0.99	1.40	0	7	15	12	4	s w
August.....	64.1	−4.0	87	5	38	7	45	4.90	+2.02	2.20	0	12	10	11	10	s w
September.....	60.9	−1.0	90	12	27	29	51	4.67	+1.57	2.15	0	9	11	10	9	s w
October.....	50.4	+1.5	79	3	17	27	38	2.87	+0.69	2.87	T	6	12	9	10	s w
November.....	34.5	−3.9	73	9	0	26	40	1.60	−1.08	1.05	4.2	6	9	8	13	s w
December.....	20.5	−8.3	47	23	−11	27	34	2.06	+0.14	1.00	17.5	10	3	8	20	s w
Year, 1903—IV. Southern Co.'s..	46.8	−0.6	99	July 3....	−18	Feb. 17...	48	34.94	+2.43	4.10	54.5	100	130	101	134	s w
January.....	23.0	−1.0	55	29	−11	12	46	1.87	−0.36	1.40	11.8	10	6	7	18	s w
February.....	23.7	+1.3	53	2	−18	17	42	2.77	+0.55	1.50	15.4	6	8	7	13	s w
March.....	41.0	+8.9	80	18, 19	8	2	44	1.49	−1.17	1.37	0.5	7	10	8	13	s w
April.....	45.9	−0.6	84	29	10	5	48	4.27	+2.15	2.12	3.8	10	13	7	10	n e
May.....	60.0	+2.2	92	17	20	1	47	2.26	−1.33	2.02	T	7	15	10	6	s w
June.....	62.0	−5.5	94	30	31	11	43	3.38	−0.18	3.14	0	9	11	10	9	n w
July.....	70.5	−1.4	99	3	40	18	46	4.42	+1.09	3.47	0	9	15	12	4	n w
August.....	65.7	−3.1	95	24	40	7, 11, 15	39	5.30	+3.01	4.10	0	11	10	10	11	s w
September.....	62.4	−0.1	92	4, 6, 8	31	28	47	3.35	+0.56	2.35	0	9	13	10	7	s w
October.....	51.6	+0.8	90	3	18	27	45	1.73	−0.80	1.28	T	3	15	6	10	s w
November.....	35.0	−2.5	77	3	3	20	41	1.66	−1.14	1.27	5.7	7	9	7	14	s w
December.....	20.9	−6.9	42	24	−9	26	38	2.44	+0.05	1.80	17.3	12	5	7	19	s w

TABLES

RELATING TO

DEATHS

AND

CAUSES OF DEATH

IN

MICHIGAN

DURING THE

YEAR 1903.

PRIMARY TABLES RELATING TO DEATHS AND CAUSES OF DEATH IN MICHIGAN DURING THE YEAR 1903.

TABLE I.—Deaths in Michigan, by months, counties and sex, during the year 1903. (stillbirths excluded.)

TABLE II.—Deaths in Michigan, by ages, counties and sex, during the year 1903. (Stillbirths excluded.)

Table III.—Causes of death in Michigan, by months, ages and sex, during the year 1903. (Stillbirths excluded.)

Table IV.—Causes of death in Michigan, by counties, during the year 1903. (Stillbirths excluded.)

NOTE.—*Secondary tables*, containing death rates and other ratios, and *comparative tables*, displaying the mortality of Michigan for the year 1903 in connection with previous years, and other states and countries, may be found on preceding pages of this Report, together with the descriptive text.

Table I.—Deaths in Michigan by months, counties and sex, during the year 1903. (Still-births excluded.)

State and counties.	Sex.	Year 1903.	Months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
STATE	Total	33,176	2,888	2,775	3,072	2,789	2,744	2,344	2,681	2,815	2,755	2,648	2,664	3,001
	Males	17,780	1,553	1,497	1,610	1,466	1,463	1,260	1,442	1,553	1,520	1,422	1,376	1,618
	Fem.	15,396	1,335	1,278	1,462	1,323	1,281	1,084	1,239	1,262	1,235	1,226	1,288	1,383
Alcona	Totals	57	4	6	3	6	6	.....	5	8	4	6	6	3
	Males	28	3	2	3	4	5	.....	1	3	1	1	3	2
	Fem.	29	1	4	.....	2	1	.....	4	5	3	5	3	1
Alger	Totals	81	7	7	4	7	6	5	8	14	5	6	5	7
	Males	55	5	2	1	4	6	4	5	10	4	4	4	6
	Fem.	26	2	5	3	3	.....	1	3	4	1	2	1	1
Allegan	Totals	462	38	38	43	52	32	37	30	33	35	41	39	44
	Males	249	26	19	25	24	14	16	17	25	17	28	18	20
	Fem.	213	12	19	18	28	18	21	13	8	18	13	21	24
Alpena	Totals	229	16	11	14	17	16	12	28	26	20	19	19	31
	Males	121	8	4	10	5	10	7	14	13	9	8	13	20
	Fem.	108	8	7	4	12	6	5	14	13	11	11	6	11
Antrim	Totals	184	22	14	7	16	12	14	15	15	28	16	8	17
	Males	85	10	6	2	13	5	6	8	6	9	8	3	9
	Fem.	99	12	8	5	3	7	8	7	9	19	8	5	8
Arenac	Totals	83	11	3	10	8	3	4	8	6	8	6	9	7
	Males	45	4	1	8	3	2	3	4	2	5	5	4	4
	Fem.	38	7	2	2	5	1	1	4	4	3	1	5	3
Baraga	Totals	54	1	2	5	.....	4	2	7	5	7	9	6	6
	Males	30	.....	1	3	.....	3	1	3	5	2	4	4	4
	Fem.	24	1	1	2	.....	1	1	4	.....	5	5	2	2
Barry	Totals	259	20	29	24	19	16	17	26	28	21	22	16	21
	Males	130	6	19	7	13	10	10	17	14	7	12	8	7
	Fem.	129	14	10	17	6	6	7	9	14	14	10	8	14
Bay	Totals	779	76	60	55	71	44	50	55	76	62	78	82	70
	Males	419	39	37	29	33	29	20	26	42	37	41	43	43
	Fem.	360	37	23	26	38	15	30	29	34	25	37	39	27
Benzie	Totals	143	15	10	12	11	8	6	12	13	14	14	14	14
	Males	73	7	3	8	7	3	1	8	5	9	7	8	7
	Fem.	70	8	7	4	4	5	5	4	8	5	7	6	7
Berrien	Totals	603	60	62	51	47	61	34	50	45	39	50	45	59
	Males	357	31	38	28	26	36	20	29	28	25	31	27	38
	Fem.	246	29	24	23	21	25	14	21	17	14	19	18	21
Branch	Totals	367	35	25	35	28	37	25	22	27	31	25	45	32
	Males	199	16	15	19	17	21	10	11	16	15	16	27	16
	Fem.	168	19	10	16	11	16	15	11	11	16	9	18	16
Calhoun	Totals	778	60	72	68	78	63	51	57	73	67	50	59	80
	Males	416	29	42	26	47	31	30	29	42	38	24	31	47
	Fem.	362	31	30	42	31	32	21	28	31	29	26	28	33
Cass	Totals	276	26	19	27	23	24	12	21	17	34	17	30	26
	Males	156	16	11	15	17	11	9	12	8	17	11	14	15
	Fem.	120	10	8	12	6	13	3	9	9	17	6	16	11
Charlevoix	Totals	207	14	16	16	24	13	11	16	27	31	18	10	11
	Males	124	12	13	8	15	7	5	9	16	19	8	3	9
	Fem.	83	2	3	8	9	6	6	7	11	12	10	7	2
Cheboygan	Totals	195	13	15	19	20	9	14	16	16	23	15	22	13
	Males	94	3	6	7	11	6	7	8	9	16	7	7	7
	Fem.	101	10	9	12	9	3	7	8	7	7	8	15	6

Table I.—Continued.—Deaths in Michigan by months, counties and sex, 1903.

Counties.	Sex.	Year 1903.	Months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Chippewa	Totals.	343	27	24	36	23	24	27	35	47	29	30	22	19
	Males..	205	16	13	19	13	15	19	27	26	15	17	14	11
	Fem...	138	11	11	17	10	9	8	8	21	14	13	8	8
Clare	Totals.	100	13	11	9	6	7	4	11	8	10	8	8	5
	Males..	53	9	6	3	2	4	2	8	5	1	6	4	3
	Fem...	47	4	5	6	4	3	2	3	3	9	2	4	2
Clinton	Totals.	310	26	35	26	29	26	25	28	34	24	22	15	20
	Males..	169	14	18	14	16	12	15	12	24	13	11	9	11
	Fem...	141	12	17	12	13	14	10	16	10	11	11	6	9
Crawford	Totals.	50	3	7	4	4	7	3	2	.....	6	3	5	6
	Males..	33	2	7	2	3	5	1	1	.....	5	2	2	3
	Fem...	17	1	.....	2	1	2	2	1	.....	1	1	3	3
Delta	Totals.	313	18	30	36	30	34	29	26	27	21	21	19	22
	Males..	180	13	14	18	20	22	19	19	11	10	13	8	13
	Fem...	133	5	16	18	10	12	10	7	16	11	8	11	9
Dickinson	Totals.	260	22	15	26	16	26	20	27	38	24	16	14	16
	Males..	163	11	10	14	11	15	13	16	24	17	11	12	9
	Fem...	97	11	5	12	5	11	7	11	14	7	5	2	7
Eaton	Totals.	420	33	27	59	38	43	27	31	21	38	33	42	28
	Males..	204	17	15	23	16	20	11	16	8	25	19	18	16
	Fem...	216	16	12	36	22	23	16	15	13	13	14	24	12
Emmet	Totals.	243	21	17	26	20	16	18	13	27	16	17	24	28
	Males..	124	9	9	16	6	10	9	8	16	7	10	9	15
	Fem...	119	12	8	10	14	6	9	5	11	9	7	15	13
Genesee	Totals.	613	60	58	83	66	45	37	44	41	32	48	46	53
	Males..	347	36	26	52	33	33	26	20	22	21	30	24	24
	Fem...	266	24	32	31	33	12	11	24	19	11	18	22	29
Gladwin	Totals.	58	4	3	5	.....	5	5	5	10	3	3	10	5
	Males..	26	2	1	3	.....	3	3	.....	6	2	1	2	3
	Fem...	32	2	2	2	.....	2	2	5	4	1	2	8	2
Gogebic	Totals.	285	22	15	26	26	27	20	20	20	38	22	19	30
	Males..	180	14	10	15	20	14	15	14	11	22	15	12	18
	Fem...	105	8	5	11	6	13	5	6	9	16	7	7	12
Grand Traverse	Totals.	300	26	19	27	29	26	17	33	22	20	19	34	28
	Males..	160	15	12	16	16	12	8	19	15	10	11	15	11
	Fem...	140	11	7	11	13	14	9	14	7	10	8	19	17
Gratiot	Totals.	351	25	32	43	28	31	30	23	29	27	20	38	25
	Males..	171	10	14	24	11	20	13	14	17	14	4	16	14
	Fem...	180	15	18	19	17	11	17	9	12	13	16	22	11
Hillsdale	Totals.	395	41	35	33	38	24	30	28	37	36	36	30	27
	Males..	195	23	15	15	13	12	14	12	26	16	17	16	16
	Fem...	200	18	20	18	25	12	16	16	11	20	19	14	11
Houghton	Totals.	851	70	49	82	76	69	67	59	91	80	65	69	74
	Males..	492	40	26	41	45	41	40	33	45	54	41	44	42
	Fem...	359	30	23	41	31	28	27	26	46	26	24	25	32
Huron	Totals.	369	34	45	34	24	24	23	39	21	33	29	34	29
	Males..	185	15	23	15	14	17	10	17	9	20	11	17	17
	Fem...	184	19	22	19	10	7	13	22	12	13	18	17	12
Ingham	Totals.	503	51	36	47	37	44	33	46	45	28	46	48	42
	Males..	249	31	20	18	17	21	20	19	21	18	26	21	17
	Fem...	254	20	16	29	20	23	13	27	24	10	20	27	25
Ionia	Totals.	414	40	36	37	37	33	37	26	27	38	32	36	35
	Males..	230	17	26	25	18	21	18	18	14	20	16	19	18
	Fem...	184	23	10	12	19	12	19	8	13	18	16	17	17

Table I.—Continued.—Deaths in Michigan by months, counties and sex, 1903.

Counties.	Sex.	Year 1903.	Months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Iosco	Totals.	122	6	10	15	6	11	5	12	11	17	8	11	10
	Males.	78	3	6	10	3	8	1	9	7	11	6	7	7
	Fem.	44	3	4	5	3	3	4	3	4	6	2	4	3
Iron	Totals.	97	5	10	11	10	4	7	6	15	5	10	5	9
	Males.	68	2	6	9	6	3	4	3	13	4	7	3	8
	Fem.	29	3	4	2	4	1	3	3	2	1	3	2	1
Isabella	Totals.	234	24	18	32	19	20	16	18	17	23	12	17	18
	Males.	116	14	10	18	8	11	9	8	8	11	5	7	7
	Fem.	118	10	8	14	11	9	7	10	9	12	7	10	11
Jackson	Totals.	619	56	45	51	54	61	54	44	45	54	62	49	44
	Males.	316	24	26	28	24	26	31	18	27	29	33	26	24
	Fem.	303	32	19	23	30	35	23	26	18	25	29	23	20
Kalamazoo	Totals.	770	55	63	83	62	74	59	66	57	69	55	64	63
	Males.	419	27	41	34	33	36	33	38	33	34	29	45	36
	Fem.	351	28	22	49	29	38	26	28	24	35	26	19	27
Kalkaska	Totals.	115	10	10	9	13	11	5	10	8	13	8	12	6
	Males.	57	7	8	2	6	6	3	6	2	6	4	5	2
	Fem.	58	3	2	7	7	5	2	4	6	7	4	7	4
Kent	Totals.	1,871	132	134	150	156	177	133	146	173	146	154	134	236
	Males.	1,025	73	81	95	83	89	66	77	88	90	77	76	130
	Fem.	846	59	53	55	73	88	67	69	85	56	77	58	106
Keweenaw	Totals.	45	3	3	5	3	2	1	1	8	6	6	3	4
	Males.	29	2	3	5	2	1	.....	1	5	3	4	2	1
	Fem.	16	1	.....	.....	1	1	1	.....	3	3	2	1	3
Lake	Totals.	51	4	3	2	6	3	2	5	6	5	7	4	4
	Males.	29	.....	3	.....	4	2	1	4	4	1	4	3	3
	Fem.	22	4	.....	2	2	1	1	1	2	4	3	1	1
Lapeer	Totals.	350	40	35	27	30	28	24	18	27	30	32	26	33
	Males.	172	24	21	12	19	12	10	11	11	11	16	11	14
	Fem.	178	16	14	15	11	16	14	7	16	19	16	15	19
Leelanau	Totals.	130	12	14	7	15	6	22	8	9	11	8	12	6
	Males.	76	4	8	5	9	6	15	3	4	6	4	9	3
	Fem.	54	8	6	2	6	.....	7	5	5	5	4	3	3
Lenawee	Totals.	663	65	62	47	59	63	46	45	45	54	55	57	65
	Males.	348	40	32	26	30	30	28	24	26	28	24	23	37
	Fem.	315	25	30	21	29	33	18	21	19	26	31	34	28
Livingston	Totals.	268	27	25	35	25	22	13	20	14	19	17	25	26
	Males.	143	17	16	21	15	7	6	9	6	11	9	8	18
	Fem.	125	10	9	14	10	15	7	11	8	8	8	17	8
Luce	Totals.	99	4	5	10	13	6	8	11	10	13	11	2	6
	Males.	55	2	1	6	9	3	4	7	5	5	7	1	5
	Fem.	44	2	4	4	4	3	4	4	5	8	4	1	1
Mackinac	Totals.	71	7	7	8	8	11	6	1	8	5	1	5	4
	Males.	38	4	4	4	6	4	2	.....	4	1	1	5	3
	Fem.	33	3	3	4	2	7	4	1	4	4	.....	.....	1
Macomb	Totals.	419	46	41	40	32	34	18	41	38	32	36	31	30
	Males.	226	19	27	23	21	19	8	27	21	16	17	12	16
	Fem.	193	27	14	17	11	15	10	14	17	16	19	19	14
Manistee	Totals.	322	27	29	36	24	24	27	23	27	31	26	24	24
	Males.	174	17	13	19	15	12	16	11	18	13	13	15	12
	Fem.	148	10	16	17	9	12	11	12	9	18	13	9	12
Marquette	Totals.	590	44	46	42	43	53	39	40	46	54	54	55	74
	Males.	351	20	19	26	24	31	26	23	31	40	31	35	45
	Fem.	239	24	27	16	19	22	13	17	15	14	23	20	29

Table I.—Continued.—Deaths in Michigan by months, counties and sex, 1903.

Counties.	Sex.	Year 1903.	Months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Mason	Totals	182	24	15	15	17	15	16	16	11	15	13	14	11
	Males	88	9	9	8	4	12	7	9	6	7	7	5	5
	Fem.	94	15	6	7	13	3	9	7	5	8	6	9	6
Mecosta	Totals	248	18	23	21	25	26	18	13	20	28	23	13	22
	Males	134	9	19	10	13	12	11	7	4	15	13	3	13
	Fem.	114	9	4	11	12	14	7	6	16	13	10	10	2
Menominee	Totals	342	29	36	36	25	23	32	41	22	28	15	27	22
	Males	189	21	22	19	9	14	14	25	15	17	8	13	12
	Fem.	153	8	14	17	16	9	18	16	7	11	7	14	16
Midland	Totals	154	11	10	12	8	12	11	13	10	26	9	10	22
	Males	77	5	5	7	2	5	4	7	4	14	6	4	14
	Fem.	77	6	5	5	6	7	7	6	6	12	3	6	8
Missaukee	Totals	129	17	11	7	12	5	15	10	7	15	9	11	19
	Males	69	9	6	5	7	1	7	3	2	10	5	9	5
	Fem.	60	8	5	2	5	4	8	7	5	5	4	2	5
Monroe	Totals	401	33	34	44	27	29	25	42	30	38	34	37	23
	Males	223	18	19	28	11	17	15	20	21	19	18	25	12
	Fem.	178	15	15	16	16	12	10	22	9	19	16	12	16
Montcalm	Totals	411	41	38	39	33	41	30	34	25	26	38	33	33
	Males	213	21	19	26	16	17	16	19	15	13	22	11	18
	Fem.	198	20	19	13	17	24	14	15	10	13	16	22	15
Montmorency	Totals	29	3	2	.....	1	6	1	2	3	1	7	1	2
	Males	16	3	1	.....	1	1	.....	1	3	1	2	1	2
	Fem.	13	.....	1	.....	.....	5	1	1	.....	.....	5	.....	.....
Muskegon	Totals	448	41	47	59	37	31	32	24	37	41	26	31	42
	Males	220	26	19	29	16	17	17	16	16	16	14	13	21
	Fem.	228	15	28	30	21	14	15	8	21	25	12	18	21
Newaygo	Totals	234	18	17	29	22	22	19	19	15	16	19	20	18
	Males	127	11	8	13	13	12	9	12	10	8	11	12	8
	Fem.	107	7	9	16	9	10	10	7	5	8	8	8	10
Oakland	Totals	658	66	43	88	61	59	36	49	38	55	61	42	60
	Males	359	43	23	46	33	31	20	22	20	34	33	18	26
	Fem.	299	23	20	42	28	28	16	27	18	21	28	24	34
Oceana	Totals	224	16	23	20	18	16	18	9	15	22	22	20	25
	Males	116	7	9	13	10	9	4	5	9	15	10	10	15
	Fem.	108	9	14	7	8	7	14	4	6	7	12	10	10
Ogemaw	Totals	87	12	2	5	3	11	5	8	6	10	12	6	7
	Males	53	8	1	4	1	6	4	1	4	6	9	4	5
	Fem.	34	4	1	1	2	5	1	7	2	4	3	2	2
Ontonagon	Totals	90	12	6	3	3	8	6	10	7	10	10	5	10
	Males	53	8	3	1	3	6	4	3	3	5	8	2	7
	Fem.	37	4	3	2	.....	2	2	7	4	5	2	3	3
Osceola	Totals	224	21	24	22	20	22	13	11	19	22	17	13	20
	Males	125	11	10	14	14	13	6	5	11	13	11	6	11
	Fem.	99	10	14	8	6	9	7	6	8	9	6	7	9
Oscoda	Totals	10	1	.....	.....	1	2	1	1	1	.....	2	.....	1
	Males	4	1	.....	.....	.....	2	.....	.....	.....	.....	1	.....	.....
	Fem.	6	.....	.....	.....	1	.....	1	1	1	.....	1	.....	1
Otsego	Totals	98	9	9	11	6	8	5	7	9	7	9	8	10
	Males	62	4	7	5	5	7	2	4	6	3	6	5	8
	Fem.	36	5	2	6	1	1	3	3	3	4	3	3	2
Ottawa	Totals	479	41	39	46	42	37	42	22	40	37	44	36	53
	Males	235	21	15	19	19	14	25	11	20	22	24	21	24
	Fem.	244	20	24	27	23	23	17	11	20	15	20	15	29

Table I.—Concluded.—Deaths in Michigan by months, counties and sex, 1903.

Counties.	Sex.	Year 1903.	Months, 1903.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Presque Isle....	Totals.	113	12	7	9	11	11	7	11	12	14	8	5	6
	Males..	58	5	6	3	3	6	4	6	6	11	4	3	1
	Fem...	55	7	1	6	8	5	3	5	6	3	4	2	5
Roscommon....	Totals.	25	3	1	1	2	3	4	1	2	1	2	1	4
	Males..	16	2	1	1	2	2	3	.....	.....	.....	2	1	2
	Fem...	9	1	.....	.....	.....	1	1	1	2	1	.....	.....	2
Saginaw.....	Totals.	971	72	85	81	88	82	71	91	88	87	71	73	82
	Males..	523	36	46	48	46	48	38	52	46	45	39	34	45
	Fem...	448	36	39	33	42	34	33	39	42	42	32	39	37
St. Clair.....	Totals.	699	69	62	69	69	56	50	53	53	61	52	51	54
	Males..	334	37	37	27	30	25	25	24	21	35	22	29	22
	Fem...	365	32	25	42	39	31	25	29	32	26	30	22	32
St. Joseph.....	Totals.	321	32	30	22	26	41	19	30	25	23	24	27	22
	Males..	167	16	18	14	9	26	11	18	9	13	11	14	8
	Fem...	154	16	12	8	17	15	8	12	16	10	13	13	14
Sanilac.....	Totals.	418	44	41	44	25	35	30	27	34	38	40	30	30
	Males..	242	27	28	20	15	20	21	13	16	25	21	20	16
	Fem...	176	17	13	24	10	15	9	14	18	13	19	10	14
Schoolcraft.....	Totals.	98	12	9	7	5	13	5	7	9	10	8	9	4
	Males..	61	8	3	6	3	9	2	4	5	6	7	7	1
	Fem...	37	4	6	1	2	4	3	3	4	4	1	2	3
Shiawassee.....	Totals.	451	42	39	33	46	38	26	33	53	35	38	35	33
	Males..	252	25	15	14	26	23	14	23	41	16	20	20	15
	Fem...	199	17	24	19	20	15	12	10	12	19	18	15	18
Tuscola.....	Totals.	425	43	44	50	42	36	35	31	24	27	32	25	36
	Males..	231	22	30	25	19	14	18	17	15	16	20	15	20
	Fem...	194	21	14	25	23	22	17	14	9	11	12	10	16
Van Buren.....	Totals.	470	35	42	47	40	43	38	41	37	38	41	36	32
	Males..	236	17	21	27	22	19	14	18	22	23	23	17	13
	Fem...	234	18	21	20	18	24	24	23	15	15	18	19	19
Washtenaw.....	Totals.	671	70	59	54	54	49	43	49	57	52	55	47	82
	Males..	348	45	25	30	25	23	26	30	32	24	29	19	40
	Fem...	323	25	34	24	29	26	17	19	25	28	26	28	42
Wayne.....	Totals.	6,088	496	519	540	478	473	447	571	548	433	469	511	603
	Males..	3,167	253	254	264	254	245	246	304	300	237	242	254	314
	Fem...	2,921	243	265	276	224	228	201	267	248	196	227	257	289
Wexford.....	Totals.	207	24	15	16	10	16	13	18	20	20	14	23	18
	Males..	115	17	9	9	5	5	5	10	14	11	7	9	14
	Fem...	92	7	6	7	5	11	8	8	6	9	7	14	4

Table II.—Deaths in Michigan by ages, counties and

State and counties.	Sex.	Total deaths at all ages, 1903.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
STATE	Totals	33,176	6,488	1,080	513	375	253
	Males	17,780	3,694	563	257	211	128
	Females	15,396	2,794	517	256	164	125
Alcona	Totals	57	12	.....	1	1	.....
	Males	28	7	.....	.....	.....	.....
	Females	29	5	.....	1	1	.....
Alger	Totals	81	38	8	1	1	.....
	Males	55	26	6	1	1	.....
	Females	26	12	2	.....	.....	.....
Allegan	Totals	462	58	8	5	5	1
	Males	249	34	4	2	4	1
	Females	213	24	4	3	1	.....
Alpena	Totals	229	62	10	4	3	2
	Males	121	35	3	2	3	2
	Females	108	27	7	2	.....	.....
Antrim	Totals	184	41	23	2	3	2
	Males	85	17	9	2	1	.....
	Females	99	24	14	.....	2	2
Arenac	Totals	83	17	3	2	1	.....
	Males	45	11	1	.....	1	.....
	Females	38	6	2	2	.....	.....
Baraga	Totals	54	21	1	3	.....	.....
	Males	30	14	.....	2	.....	.....
	Females	24	7	1	1	.....	.....
Barry	Totals	259	22	1	4	4	.....
	Males	130	14	.....	.....	1	.....
	Females	129	8	1	4	3	.....
Bay	Totals	779	158	51	13	8	12
	Males	419	87	22	8	5	5
	Females	360	71	29	5	3	7
Benzie	Totals	143	28	6	4	2	2
	Males	73	20	2	4	.....	.....
	Females	70	8	4	.....	2	2
Berrien	Totals	603	104	11	3	7	2
	Males	357	75	5	2	5	1
	Females	246	29	6	1	2	1
Branch	Totals	367	39	9	5	3	2
	Males	199	21	7	3	2	1
	Females	168	18	2	2	1	1
Calhoun	Totals	778	94	13	6	8	7
	Males	416	51	7	2	6	4
	Females	362	43	6	4	2	3
Cass	Totals	276	40	7	1	2	3
	Males	156	21	4	1	2	2
	Females	120	19	3	.....	.....	1
Charlevoix	Totals	207	43	12	1	5	1
	Males	124	28	6	1	2	.....
	Females	83	15	6	.....	3	1
Cheboygan	Totals	195	59	3	5	2	.....
	Males	94	28	2	4	.....	.....
	Females	101	31	1	1	2	.....

sex during the year 1903. (Stillbirths excluded.)

Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
	Ages in five-year periods																
8,709	894	658	968	1,285	1,212	1,116	1,157	1,225	1,249	1,371	1,592	1,802	2,203	2,382	2,240	3,040	73
4,853	465	324	463	612	598	501	565	619	701	773	841	976	1,184	1,342	1,251	1,651	61
3,856	429	334	505	673	614	615	592	606	548	598	751	826	1,019	1,040	989	1,389	12
14	....	3	3	6	2	2	3	2	.....	3	4	1	4	4	3	2	1
7	....	2	1	2	.....	1	2	1	.....	2	2	1	1	3	1	1	1
7	....	1	2	4	2	1	1	1	.....	1	2	.....	3	1	2	1	....
48	2	1	....	2	5	2	4	3	3	2	1	2	3	1	1	1	....
34	2	1	....	.....	2	2	4	3	2	2	1	.....	1	.....	.....	1	....
14	....	....	....	2	3	.....	.....	.....	1	.....	.....	2	2	1	1	.....	....
77	8	8	9	20	14	10	13	12	13	18	27	24	43	49	54	62	1
45	3	6	3	7	7	4	7	4	5	10	16	15	23	29	30	34	1
32	5	2	6	13	7	6	6	8	8	8	11	9	20	20	24	28	....
81	5	10	6	9	9	4	6	5	8	10	8	15	13	20	11	9	....
45	3	6	4	2	5	2	5	1	4	7	3	8	8	8	6	4	....
36	2	4	2	7	4	2	1	4	4	3	5	7	5	12	5	5	....
71	5	7	4	9	7	6	5	4	8	7	6	5	8	8	7	17	....
29	3	5	2	3	3	2	1	1	6	4	3	2	5	6	2	8	....
42	2	2	2	6	4	4	4	3	2	3	3	3	3	2	5	9	....
23	1	1	4	4	4	4	4	3	3	3	4	4	4	5	7	5	....
13	1	....	2	.....	1	2	2	2	2	3	2	3	2	4	4	2	....
10	....	1	2	4	3	2	2	1	1	.....	2	1	2	1	3	3	....
25	1	2	4	2	1	1	2	4	3	3	1	.....	1	1	1	1	1
16	....	1	1	.....	1	1	.....	3	2	2	.....	.....	.....	1	1	1	....
9	1	1	3	2	.....	.....	2	1	1	1	1	.....	1	.....	.....	.....	1
31	4	5	4	6	6	4	6	8	10	13	12	21	25	21	37	45	1
15	3	....	2	1	4	.....	2	3	5	7	7	14	12	9	17	29	....
16	1	5	2	5	2	4	4	5	5	6	5	7	13	12	20	16	1
242	36	26	23	34	35	27	21	31	30	41	36	34	34	43	32	54	....
127	24	14	12	17	19	13	8	14	17	22	18	24	17	24	21	28	....
115	12	12	11	17	16	14	13	17	13	19	18	10	17	19	11	26	....
42	9	1	8	6	8	4	9	8	2	6	10	6	6	4	7	7	....
26	2	1	3	3	1	2	5	4	1	4	7	4	2	3	2	3	....
16	7	....	5	3	7	2	4	4	1	2	3	2	4	1	5	4	....
127	18	13	20	12	19	9	17	23	26	27	31	48	47	52	57	54	3
88	8	6	12	4	10	7	11	12	12	18	17	29	29	29	28	34	3
39	10	7	8	8	9	2	6	11	14	9	14	19	18	23	29	20	....
58	12	3	11	12	10	13	4	10	8	20	20	18	34	31	42	60	1
34	9	3	9	6	6	5	.....	5	3	9	7	11	17	14	25	35	1
24	3	....	2	6	4	8	4	5	5	11	13	7	17	17	17	25	....
128	16	15	12	30	22	29	29	32	28	45	46	51	57	74	66	93	5
70	6	9	8	16	14	12	12	9	15	31	25	25	36	41	34	48	5
58	10	6	4	14	8	17	17	23	13	14	21	26	21	33	32	45	....
53	4	2	9	12	7	10	5	10	6	12	16	16	22	30	20	42	....
30	2	1	5	7	2	5	2	5	4	6	9	7	14	20	11	26	....
23	2	1	4	5	5	5	3	5	2	6	7	9	8	10	9	16	....
62	9	6	10	17	11	6	5	7	9	8	4	8	9	11	9	15	1
37	4	3	4	8	8	3	2	4	5	6	4	5	6	7	6	11	1
25	5	3	6	9	3	3	3	3	4	2	.....	3	3	4	3	4	....
69	6	5	4	7	9	7	3	8	9	7	10	7	11	9	8	16	....
34	1	1	....	5	6	2	.....	4	3	3	7	5	6	5	4	8	....
35	5	4	4	2	3	5	3	4	6	4	3	2	5	4	4	8	....

Table II.—Continued.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1903.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Chippewa	Totals	343	105	8	9	6	2
	Males	205	67	6	2	1	1
	Females	138	38	2	7	5	1
Clare	Totals	100	22	.....	5	2	1
	Males	53	10	.....	1	1	1
	Females	47	12	.....	4	1	.....
Clinton	Totals	310	42	7	6	2	.....
	Males	169	25	3	4	1	.....
	Females	141	17	4	2	1	.....
Crawford	Totals	50	14	1	3	2	.....
	Males	33	9	1	1	1	.....
	Females	17	5	.....	2	1	.....
Delta	Totals	313	99	24	6	10	6
	Males	180	64	16	1	6	3
	Females	133	35	8	5	4	3
Dickinson	Totals	260	98	17	4	5	2
	Males	163	56	8	2	2	1
	Females	97	42	9	2	3	1
Eaton	Totals	420	43	5	5	4	1
	Males	204	18	3	4	3	1
	Females	216	25	2	1	1	.....
Emmet	Totals	243	66	8	5	1	2
	Males	124	38	4	1	.....	1
	Females	119	28	4	4	1	1
Genesee	Totals	613	74	17	8	4	7
	Males	347	51	8	5	2	2
	Females	266	23	9	3	2	5
Gladwin	Totals	58	16	3	.....	1	.....
	Males	26	7	3	.....	1	.....
	Females	32	9	.....	.....	.....	.....
Gogebic	Totals	285	105	16	5	5	6
	Males	180	58	10	5	4	6
	Females	105	47	6	.....	1	.....
Grand Traverse	Totals	300	56	7	4	1	.....
	Males	160	31	3	3	.....	.....
	Females	140	25	4	1	1	.....
Gratiot	Totals	351	54	7	7	2	4
	Males	171	30	2	2	1	2
	Females	180	24	5	5	1	2
Hillsdale	Totals	395	34	9	6	1	2
	Males	195	18	4	3	.....	.....
	Females	200	16	5	3	1	2
Houghton	Totals	851	262	51	18	24	12
	Males	492	139	30	12	15	7
	Females	359	123	21	6	9	5
Huron	Totals	369	93	11	11	5	3
	Males	185	52	4	6	1	1
	Females	184	41	7	5	4	2
Ingham	Totals	503	59	4	7	2	2
	Males	249	28	3	4	.....	2
	Females	254	31	1	3	2	.....
Ionia	Totals	414	53	4	6	.....	1
	Males	230	31	1	5	.....	.....
	Females	184	22	3	1	.....	1

counties and sex, during the year 1903. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
130	13	10	12	19	13	14	17	23	8	13	10	10	17	11	11	11	1
77	5	5	7	9	9	10	10	17	6	8	4	5	7	10	8	7	1
53	8	5	5	10	4	4	7	6	2	5	6	5	10	1	3	4	....
30	4	2	9	2	1	2	2	2	3	7	4	6	5	4	4	12	1
13	3	1	4	1	.....	1	2	2	1	5	3	3	2	.....	3	8	1
17	1	1	5	1	1	1	.....	.....	2	2	1	3	3	4	1	4	....
57	6	3	12	14	9	11	6	6	8	11	18	20	21	31	33	44	....
33	3	2	3	6	2	2	4	4	3	5	11	14	12	17	22	26	....
24	3	1	9	8	7	9	2	2	5	6	7	6	9	14	11	18	....
20	....	1	5	2	2	2	1	4	1	.....	.....	1	4	1	3	3	....
12	....	1	3	1	1	2	1	4	.....	.....	.....	.....	2	1	3	2	....
8	....	....	2	1	1	.....	.....	.....	1	.....	.....	1	2	.....	.....	1	....
145	15	2	8	14	19	17	9	11	19	5	7	11	7	7	8	6	3
90	6	1	2	7	12	11	4	5	11	3	4	7	5	4	1	4	3
55	9	1	6	7	7	6	5	6	8	2	3	4	2	3	7	2	....
126	4	7	6	21	14	10	8	15	6	9	6	6	5	7	6	4	....
69	2	5	3	18	7	10	6	11	3	4	6	6	2	5	3	3	....
57	2	2	3	3	7	.....	2	4	3	5	.....	.....	3	2	3	1	....
58	7	7	12	12	12	15	13	10	13	29	25	26	23	44	49	65	....
29	3	3	4	6	1	4	5	3	8	18	13	15	9	25	22	36	....
29	4	4	8	6	11	11	8	7	5	11	12	11	14	19	27	29	....
82	5	8	6	7	8	13	11	10	8	11	9	12	15	15	11	12	....
44	1	4	3	5	5	6	4	6	5	5	5	7	10	3	6	5	....
38	4	4	3	2	3	7	7	4	3	6	4	5	5	12	5	7	....
110	10	14	15	27	17	16	12	22	21	25	22	40	54	66	72	70	....
68	3	9	9	12	5	7	3	10	9	21	14	19	31	35	46	46	....
42	7	5	6	15	12	9	9	12	12	4	8	21	23	31	26	24	....
20	1	2	3	1	4	.....	1	1	4	1	3	3	4	4	5	1	....
11	....	....	1	1	1	.....	.....	1	2	.....	1	.....	2	2	3	1	....
9	1	2	2	.....	3	.....	1	.....	2	1	2	3	2	2	2	.....	....
137	20	5	10	14	21	17	14	13	7	7	2	6	2	4	2	4	....
83	12	2	6	9	15	9	10	10	6	6	2	3	2	2	1	2	....
54	8	3	4	5	6	8	4	3	1	1	.....	3	.....	2	1	2	....
68	5	5	7	10	19	15	13	15	14	17	15	11	19	28	14	20	5
37	2	1	4	5	7	3	5	7	8	8	9	8	14	20	6	12	4
31	3	4	3	5	12	12	8	8	6	9	6	3	5	8	8	8	1
74	2	6	15	14	24	18	9	13	15	19	16	17	21	23	27	36	2
37	1	3	7	3	6	7	4	5	8	13	7	9	12	12	16	19	2
37	1	3	8	11	18	11	5	8	7	6	9	8	9	11	11	17	....
52	3	8	5	17	7	3	9	7	13	20	29	38	27	35	47	75	....
25	1	5	....	10	3	1	2	2	6	11	13	15	16	19	22	44	....
27	2	3	5	7	4	2	7	5	7	9	16	23	11	16	25	31	....
367	29	21	33	44	56	33	27	38	35	14	27	29	26	23	19	27	3
203	14	9	22	28	36	18	18	24	23	9	16	12	21	15	9	13	2
164	15	12	11	16	20	15	9	14	12	5	11	17	5	8	10	14	1
123	14	9	10	14	14	11	10	8	10	12	17	22	26	20	21	28	....
64	4	5	6	7	4	4	5	4	4	5	7	13	11	15	10	17	....
59	10	4	4	7	10	7	5	4	6	7	10	9	15	5	11	11	....
74	7	14	15	23	17	20	25	10	19	23	25	25	44	56	35	70	1
37	6	5	13	9	6	9	14	6	8	12	12	11	21	21	21	37	1
37	1	9	2	14	11	11	11	4	11	11	13	14	23	35	14	33	....
64	5	3	11	15	14	8	14	14	15	23	24	34	41	38	42	49	....
37	3	....	3	7	9	3	8	7	9	14	8	20	24	21	29	28	....
27	2	3	8	8	5	5	6	7	6	9	16	14	17	17	13	21	....

Table II.—Continued.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1903.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Iosco	Totals	122	29	6	1	.....	.....
	Males	78	21	5	.....	.....	.....
	Females	44	8	1	1	.....	.....
Iron	Totals	97	33	5	.....	1	.....
	Males	68	23	5	.....	1	.....
	Females	29	10	.....	.....	.....	.....
Isabella	Totals	234	47	7	6	3	1
	Males	116	20	6	1	1	.....
	Females	118	27	1	5	2	1
Jackson	Totals	619	88	13	9	6	2
	Males	316	48	10	2	4	1
	Females	303	40	3	7	2	1
Kalamazoo	Totals	770	77	15	6	3	5
	Males	419	37	9	2	.....	1
	Females	351	40	6	4	3	4
Kalkaska	Totals	115	24	7	.....	.....	1
	Males	57	13	4	.....	.....	.....
	Females	58	11	3	.....	.....	1
Kent	Totals	1,871	292	47	29	13	7
	Males	1,025	175	25	16	8	4
	Females	846	117	22	13	5	3
Keweenaw	Totals	45	23	4	1	1	.....
	Males	29	14	.....	.....	1	.....
	Females	16	9	4	1	.....	.....
Lake	Totals	51	12	.....	.....	.....	.....
	Males	29	8	.....	.....	.....	.....
	Females	22	4	.....	.....	.....	.....
Lapeer	Totals	350	44	3	3	3	1
	Males	172	28	2	.....	2	.....
	Females	178	16	1	3	1	1
Leelanau	Totals	130	34	7	3	1	.....
	Males	76	21	3	3	.....	.....
	Females	54	13	4	.....	1	.....
Lenawee	Totals	663	81	8	4	4	4
	Males	348	49	3	3	1	1
	Females	315	32	5	1	3	3
Livingston	Totals	268	21	4	1	.....	.....
	Males	143	13	2	.....	.....	.....
	Females	125	8	2	1	.....	.....
Luce	Totals	99	24	4	1	1	1
	Males	55	8	1	1	.....	1
	Females	44	16	3	.....	1	.....
Mackinac	Totals	71	12	1	.....	.....	3
	Males	38	2	1	.....	.....	2
	Females	33	10	.....	.....	.....	1
Macomb	Totals	419	79	10	5	1	3
	Males	226	44	5	2	1	3
	Females	193	35	5	3	.....	.....
Manistee	Totals	322	78	6	3	5	4
	Males	174	45	1	1	2	1
	Females	148	33	5	2	3	3
Marquette	Totals	590	170	35	13	14	9
	Males	351	105	20	7	10	5
	Females	239	65	15	6	4	4

ounties and sex, during the year 1903. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
36	4	2	5	6	7	3	3	3	8	7	8	6	7	2	11	4	....
26	2	1	1	2	4	1	3	2	5	4	6	2	5	1	10	3	....
10	2	1	4	4	3	2	.....	1	3	3	2	4	2	1	1	1	....
39	2	2	2	10	12	6	6	.....	7	1	3	2	1	1	.....	3	....
29	1	1	2	9	9	4	1	.....	5	1	3	1	.....	.....	.....	2	....
10	1	1	....	1	3	2	5	.....	2	.....	.....	1	1	1	.....	1	....
64	9	13	8	7	6	5	8	5	5	15	5	17	17	13	18	19	....
28	7	4	4	2	3	1	3	2	2	12	2	9	10	6	12	9	....
36	2	9	4	5	3	4	5	3	3	3	3	8	7	7	6	10	....
118	7	13	15	19	19	27	22	23	26	19	29	33	64	62	53	70	....
65	3	8	2	8	7	12	13	10	16	9	15	19	36	35	25	33	....
53	4	5	13	11	12	15	9	13	10	10	14	14	28	27	28	37	....
106	10	15	13	24	25	23	23	41	33	51	47	66	68	69	62	92	2
49	6	10	8	15	15	12	11	21	16	26	31	38	34	42	35	49	1
57	4	5	5	9	10	11	12	20	17	25	16	28	34	27	27	43	1
32	3	3	2	8	3	7	4	2	6	6	6	3	8	10	6	6	....
17	2	....	....	5	1	2	1	1	5	4	3	2	4	5	2	3	....
15	1	3	2	3	2	5	3	1	1	2	3	1	4	5	4	3	....
388	36	38	64	95	70	80	72	65	59	71	105	134	146	164	122	159	3
228	18	19	29	41	31	42	36	32	30	36	52	79	93	88	74	95	2
160	18	19	35	54	39	38	36	33	29	35	53	55	53	76	48	64	1
29	2	1	1	2	2	.....	.....	1	1	1	1	.....	.....	1	.....	3	....
15	1	1	1	1	2	.....	.....	1	1	1	1	.....	.....	1	.....	3	....
14	1	....	....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
12	....	....	....	4	.....	3	1	2	1	5	3	3	5	3	5	3	1
8	....	....	....	.....	.....	1	.....	.....	.....	2	3	3	4	2	3	2	1
4	....	....	....	4	.....	2	1	2	1	3	.....	.....	1	1	2	1	....
54	13	7	12	23	8	10	5	17	18	8	23	15	18	34	33	52	....
32	5	2	8	8	2	1	2	7	6	3	12	11	8	14	21	30	....
22	8	5	4	15	6	9	3	10	12	5	11	4	10	20	12	22	....
45	5	2	6	2	3	2	4	3	4	5	7	5	8	12	8	8	1
27	2	1	4	.....	1	1	3	3	3	3	5	3	4	7	4	4	1
18	3	1	2	2	2	1	1	.....	1	2	2	2	4	5	4	4	....
101	12	8	16	16	22	17	14	20	21	25	36	45	56	64	68	122	....
57	7	2	7	7	11	5	3	9	12	10	18	20	32	40	40	68	....
44	5	6	9	9	11	12	11	11	9	15	18	25	24	24	28	54	....
26	6	3	7	4	3	3	5	14	11	10	13	16	27	31	34	55	....
15	3	3	5	.....	1	3	2	6	7	2	3	9	13	19	20	32	....
11	3	....	2	4	2	.....	3	8	4	8	10	7	14	12	14	23	....
31	4	1	3	5	4	2	8	6	3	6	5	7	5	2	3	3	1
11	2	....	2	4	2	2	4	2	3	4	4	5	4	2	2	1	1
20	2	1	1	1	2	.....	4	4	.....	2	1	2	1	.....	1	2	....
16	....	1	2	1	11	4	2	4	2	4	5	4	4	5	3	1	2
5	....	....	....	.....	6	1	1	2	1	4	4	3	2	3	3	1	2
11	....	1	2	1	5	3	1	2	1	.....	1	1	2	2	.....	.....	....
98	12	10	8	11	14	15	18	15	15	12	18	20	29	38	39	47	....
55	7	5	4	4	7	5	7	7	10	8	9	12	17	25	21	23	....
43	5	5	4	7	7	10	11	8	5	4	9	8	12	13	18	24	....
96	12	10	16	12	10	15	12	10	14	16	20	13	24	9	14	18	1
50	8	4	7	8	5	8	7	7	7	9	11	9	14	5	7	7	1
46	4	6	9	4	5	7	5	3	7	7	9	4	10	4	7	11	....
341	23	15	22	24	28	27	23	23	16	16	22	17	23	26	24	20	....
147	11	3	13	15	16	19	13	14	13	8	13	14	12	15	16	9	....
94	12	12	9	9	12	8	10	9	3	8	9	3	11	11	8	11	....

Table II.—Continued.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1903.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Mason	Totals	182	36	13	4	4	1
	Males	88	20	10	2	2	.....
	Females	94	16	3	2	2	1
Mecosta	Totals	248	45	8	3	3	.....
	Males	134	30	4	2	2	.....
	Females	114	15	4	1	1	.....
Menominee	Totals	342	87	22	15	7	4
	Males	189	59	9	8	2	.....
	Females	153	28	13	7	5	4
Midland	Totals	154	36	4	2	3	1
	Males	77	22	1	1	2	1
	Females	77	14	3	1	1	.....
Missaukee	Totals	129	40	7	2	.....	1
	Males	69	22	5	.....	.....	1
	Females	60	18	2	2	.....	.....
Monroe	Totals	401	71	11	8	3	2
	Males	223	43	8	4	3	1
	Females	178	28	3	4	.....	1
Montcalm	Totals	411	80	14	5	2	5
	Males	213	48	12	2	.....	2
	Females	198	32	2	3	2	3
Montmorency	Totals	29	13	.....	1	.....	.....
	Males	16	6	.....	1	.....	.....
	Females	13	7	.....	.....	.....	.....
Muskegon	Totals	448	85	19	12	5	2
	Males	220	47	10	7	3	1
	Females	228	38	9	5	2	1
Newaygo	Totals	234	46	8	1	1	2
	Males	127	25	3	.....	1	2
	Females	107	21	5	1	.....	.....
Oakland	Totals	658	67	14	6	7	1
	Males	359	35	6	3	3	1
	Females	299	32	8	3	4	.....
Oceana	Totals	224	48	11	4	2	1
	Males	116	26	7	3	2	1
	Females	108	22	4	1	.....	.....
Ogemaw	Totals	87	25	3	5	2	.....
	Males	53	12	3	3	2	.....
	Females	34	13	.....	2	.....	.....
Ontonagon	Totals	90	27	3	.....	.....	.....
	Males	53	13	2	.....	.....	.....
	Females	37	14	1	.....	.....	.....
Osceola	Totals	224	46	7	3	1	2
	Males	125	30	5	2	1	1
	Females	99	16	2	1	.....	1
Oscoda	Totals	10	3	.....	.....	.....	.....
	Males	4	1	.....	.....	.....	.....
	Females	6	2	.....	.....	.....	.....
Otsego	Totals	98	27	5	4	1	.....
	Males	62	13	2	4	.....	.....
	Females	36	14	3	.....	1	.....
Ottawa	Totals	479	84	13	9	3	2
	Males	235	47	4	5	1	1
	Females	244	37	9	4	2	1

counties and sex, during the year 1903. (Stillbirths excluded.)

Ages in five-year periods.

Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
58	2	3	6	12	3	4	9	10	9	7	7	2	15	15	8	11	1
34	....	2	1	4	2	1	3	5	4	4	1	1	8	8	6	3	1
24	2	1	5	8	1	3	6	5	5	3	6	1	7	7	2	8	....
59	7	6	13	15	10	4	11	12	13	13	11	9	14	20	8	23	....
38	4	1	7	5	5	3	3	3	9	8	5	7	8	12	3	13	....
21	3	5	6	10	5	1	8	9	4	5	6	2	6	8	5	10	....
135	15	11	14	17	17	10	17	14	12	8	10	9	17	9	8	18	1
78	8	6	6	7	6	5	8	8	6	4	7	6	10	8	6	9	1
57	7	5	8	10	11	5	9	6	6	4	3	3	7	1	2	9	....
46	2	1	2	5	4	7	5	4	4	4	11	13	13	12	9	11	1
27	1	....	1	2	2	4	1	3	1	.....	6	7	9	7	2	4	....
19	1	1	1	3	2	3	4	1	3	4	5	6	4	5	7	7	1
50	2	3	3	2	3	7	4	1	3	7	6	12	8	8	.....	10	....
28	....	1	2	1	2	.....	2	1	3	3	2	8	2	6	.....	8	....
22	2	2	1	1	1	7	2	.....	.....	4	4	4	6	2	.....	2	....
95	5	14	6	7	16	12	10	11	20	10	17	23	27	35	38	54	1
59	5	7	3	4	11	1	7	7	13	7	4	9	12	19	25	30	....
36	....	7	3	3	5	11	3	4	7	3	13	14	15	16	13	24	1
106	10	11	8	17	15	9	6	12	10	16	20	34	22	32	31	51	1
64	5	2	5	6	5	3	3	3	5	8	9	18	16	18	11	32	....
42	5	9	3	11	10	6	3	9	5	8	11	16	6	14	20	19	1
14	....	....	2	3	2	.....	1	.....	.....	1	1	2	2	.....	.....	1	....
7	....	....	1	2	2	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....	....
7	....	....	1	1	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	1	....
123	17	4	20	19	20	13	14	13	15	20	22	21	23	35	25	39	5
68	7	3	9	4	3	6	5	5	5	11	10	9	11	23	16	20	5
55	10	1	11	15	17	7	9	8	10	9	12	12	12	12	9	19	....
58	3	4	5	5	8	5	10	4	5	8	15	18	22	17	18	28	1
31	1	4	2	3	2	1	3	3	3	3	7	13	14	9	14	13	1
27	2	....	3	2	6	4	7	1	2	5	8	5	8	8	4	15	....
95	6	20	8	19	13	20	28	23	38	28	45	51	56	51	65	89	3
48	3	8	1	14	5	9	16	16	21	11	25	26	34	27	41	51	3
47	3	12	7	5	8	11	12	7	17	17	20	25	22	24	24	38	....
66	2	6	11	1	10	6	.....	1	7	10	10	11	19	23	19	22	....
39	1	2	6	1	3	2	.....	.....	3	4	4	7	12	13	8	11	....
27	1	4	5	.....	7	4	.....	1	4	6	6	4	7	10	11	11	....
35	3	1	6	2	1	1	3	2	3	3	6	2	6	5	1	5	2
20	1	....	4	.....	.....	1	3	1	1	3	6	1	2	4	1	3	2
15	2	1	2	2	1	.....	.....	1	2	.....	.....	1	4	1	.....	2	....
30	7	3	4	3	6	3	4	3	2	8	2	2	4	3	3	3	....
15	3	1	2	2	4	2	4	3	1	6	1	1	2	2	3	1	....
15	4	2	2	1	2	1	.....	.....	1	2	1	1	2	1	.....	2	....
59	5	4	9	13	7	5	13	9	13	9	8	12	18	14	12	13	1
39	2	2	5	5	5	1	4	3	6	7	5	4	12	10	7	7	1
20	3	2	4	8	2	4	9	6	7	2	3	8	6	4	5	6	....
3	....	1	....	1	.....	.....	1	.....	1	.....	.....	.....	1	1	.....	.....	1
1	....	1	....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
2	....	....	....	1	.....	.....	1	.....	.....	.....	.....	.....	1	1	.....	.....	....
37	4	1	3	5	1	4	5	4	4	2	5	3	5	5	3	7	....
19	3	1	1	5	1	3	4	2	4	1	4	3	2	4	1	4	....
18	1	....	2	.....	.....	1	1	2	.....	1	1	.....	3	1	2	3	....
111	15	5	17	19	16	9	11	19	9	32	19	20	33	43	46	53	2
55	7	4	4	7	10	4	6	4	5	17	8	10	16	23	23	28	1
56	8	1	13	12	6	5	5	15	4	15	11	10	17	20	23	25	1

Table II.—Concluded.—Deaths in Michigan by ages,

Counties.	Sex.	Total deaths at all ages, 1903.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Presque Isle	Totals	113	43	9	3	2	.....
	Males	58	20	3	1	1	.....
	Females	55	23	6	2	1	.....
Roscommon	Totals	25	5	1	.....	1	.....
	Males	16	4	1	.....	1	.....
	Females	9	1	.....	.....	.....	.....
Saginaw	Totals	971	195	29	7	7	6
	Males	523	104	17	3	5	4
	Females	448	91	12	4	2	2
St. Clair	Totals	699	131	13	11	7	6
	Males	334	64	2	5	4	1
	Females	365	67	11	6	3	5
St. Joseph	Totals	321	34	6	1	2	3
	Males	167	17	3	1	.....	2
	Females	154	17	3	.....	2	1
Sanilac	Totals	418	107	11	7	7	5
	Males	242	67	8	2	3	2
	Females	176	40	3	5	4	3
Schoolcraft	Totals	98	33	9	1	.....	.....
	Males	61	23	3	.....	.....	.....
	Females	37	10	6	1	.....	.....
Shiawassee	Totals	451	51	8	11	4	1
	Males	252	24	5	2	3	.....
	Females	199	27	3	9	1	1
Tuscola	Totals	425	78	8	4	5	1
	Males	231	46	5	2	2	.....
	Females	194	32	3	2	3	1
Van Buren	Totals	470	66	11	4	3	.....
	Males	236	37	4	.....	2	.....
	Females	234	29	7	4	1	.....
Washtenaw	Totals	671	70	10	5	6	5
	Males	348	37	6	2	1	3
	Females	323	33	4	3	5	2
Wayne	Totals	6,088	1,453	251	112	93	74
	Males	3,167	823	124	58	60	41
	Females	2,921	630	127	54	33	33
Wexford	Totals	207	57	5	3	6	2
	Males	115	34	2	1	2	.....
	Females	92	23	3	2	4	2

counties and sex, during the year 1903. (Stillbirths excluded.)

Ages in five-year periods.

Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
57	2	1	5	7	2	5	6	5	4	1	1	1	3	5	1	6	1
25	2	1	4	4	1	2	2	3	3	1	1	.....	2	3	1	2	1
32	....	....	1	3	1	3	4	2	1	.....	.....	1	1	2	.....	4	....
7	....	....	2	1	1	2	2	.....	1	1	.....	.....	2	3	1	2	....
6	....	....	....	1	.....	.....	1	.....	1	.....	.....	.....	1	3	1	2	....
1	....	....	2	.....	1	2	1	.....	.....	1	.....	.....	1	.....	.....	.....	....
244	17	11	33	40	38	40	46	35	41	46	40	51	76	79	56	77	1
133	10	9	16	15	20	15	20	14	25	30	26	32	40	49	30	38	1
111	7	2	17	25	18	25	26	21	16	16	14	19	36	30	26	39	....
168	21	20	25	33	24	23	23	18	18	23	40	37	50	55	55	66	....
76	11	12	11	16	10	9	11	9	7	9	25	18	17	25	38	30	....
92	10	8	14	17	14	14	12	9	11	14	15	19	33	30	17	36	....
46	5	2	6	10	6	9	7	8	9	10	14	22	35	33	41	58	....
23	5	2	4	3	2	3	3	4	2	2	5	11	14	23	28	33	....
23	....	....	2	7	4	6	4	4	7	8	9	11	21	10	13	25	....
137	15	9	19	11	10	12	9	7	12	12	10	16	27	30	28	54	....
82	10	5	8	7	6	3	2	4	9	6	3	8	17	18	19	35	....
55	5	4	11	4	4	9	7	3	3	6	7	8	10	12	9	19	....
43	8	1	3	4	4	2	6	2	5	1	3	3	6	2	3	1	1
26	4	1	2	3	2	1	3	.....	5	.....	3	3	3	.....	3	1	1
17	4	.....	1	1	2	1	3	2	.....	1	.....	.....	3	2	.....	.....	....
75	9	6	11	14	17	18	31	16	17	19	26	29	40	33	35	55	....
34	5	3	5	7	11	8	27	8	14	14	12	10	20	22	22	30	....
41	4	3	6	7	6	10	4	8	3	5	14	19	20	11	13	25	....
96	9	8	16	17	12	14	7	10	21	14	21	28	41	32	33	46	....
55	5	5	8	3	6	5	2	5	14	6	12	14	22	20	19	30	....
41	4	3	8	14	6	9	5	5	7	8	9	14	19	12	14	16	....
84	6	5	8	17	11	9	12	12	20	22	35	41	32	47	47	62	....
43	3	1	5	8	7	5	4	8	13	12	14	15	13	28	22	35	....
41	3	4	3	9	4	4	8	4	7	10	21	26	19	19	25	27	....
96	15	10	15	24	22	29	27	26	24	35	36	45	54	53	58	100	2
49	8	6	4	15	12	15	8	14	11	18	24	26	23	31	30	53	1
47	7	4	11	9	10	14	19	12	13	17	12	19	31	22	28	47	1
1,983	229	101	154	204	220	214	256	291	269	242	286	298	325	342	309	358	7
1,106	122	45	68	101	108	94	130	151	157	140	145	146	160	178	151	159	6
877	107	56	86	103	112	120	126	140	112	102	141	152	165	164	158	199	1
73	7	7	7	7	6	8	6	7	5	10	14	4	15	14	5	12	....
39	4	5	3	3	4	5	2	3	1	9	8	2	7	9	2	9	....
34	3	2	4	4	2	3	4	4	4	1	6	2	8	5	3	3	....

Table III.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903. Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	ALL CAUSES	Totals.	33,176	2,888	2,775	3,072	2,789	2,744	2,344	2,681	2,815	2,755	2,648	2,664	3,001
		Males.	17,780	1,553	1,497	1,610	1,466	1,463	1,260	1,442	1,553	1,520	1,422	1,376	1,618
		Fem.	15,396	1,335	1,278	1,462	1,323	1,281	1,084	1,239	1,262	1,235	1,226	1,288	1,383
1	Typhoid fever	Totals.	577	45	33	50	34	40	23	25	45	70	85	80	47
		Males.	324	31	13	24	20	21	11	11	21	40	50	52	30
		Fem.	253	14	20	26	14	19	12	14	24	30	35	28	17
	Typho-malarial fever	Totals.	29	3	2	2	2	2	1	2	2	3	5	4	1
		Males.	14	1	.....	1	1	2	.....	2	.....	2	2	2	1
		Fem.	15	2	2	1	1	.....	1	.....	2	1	3	2	.....
4	Malarial fever	Totals.	61	5	2	7	8	4	4	5	5	5	6	7	3
		Males.	28	3	.....	3	4	2	3	2	1	2	3	4	1
		Fem.	33	2	2	4	4	2	1	3	4	3	3	3	2
5	Smallpox	Totals.	29	7	5	2	3	1	5	2	2	1	1	.....	.....
		Males.	18	4	3	2	2	1	3	1	1	1	.....	.....	.....
		Fem.	11	3	2	.....	1	.....	2	1	1	.....	1	.....	.....
6	Measles	Totals.	176	15	17	30	23	27	17	13	2	2	3	7	20
		Males.	72	6	9	9	11	14	7	5	.....	1	3	2	5
		Fem.	104	9	8	21	12	13	10	8	2	1	.....	5	15
7	Scarlet fever	Totals.	200	36	17	21	15	26	9	12	15	7	7	16	19
		Males.	95	11	6	9	8	12	7	8	7	4	5	9	9
		Fem.	105	25	11	12	7	14	2	4	8	3	2	7	10
8	Whooping cough	Totals.	383	42	31	35	37	31	30	42	42	24	16	26	27
		Males.	178	12	15	18	20	16	15	14	19	12	12	12	13
		Fem.	205	30	16	17	17	15	15	28	23	12	4	14	14
9	Diphtheria	Totals.	567	50	39	25	29	41	45	37	36	36	63	90	76
		Males.	282	30	14	13	13	22	19	19	17	23	25	47	40
		Fem.	285	20	25	12	16	19	26	18	19	13	38	43	36
	Croup	Totals.	39	6	5	4	1	1	3	1	1	2	6	3	6
		Males.	19	1	3	4	1	1	1	.....	.....	.....	4	2	2
		Fem.	20	5	2	.....	.....	.....	2	1	1	2	2	1	4
	Membranous croup	Totals.	80	6	8	2	11	1	7	.....	1	5	9	17	13
		Males.	37	4	2	1	7	1	3	.....	.....	3	1	8	7
		Fem.	43	2	6	1	4	.....	4	.....	1	2	8	9	6
10	Influenza	Totals.	480	38	63	125	81	53	20	5	5	9	11	17	53
		Males.	229	14	33	52	36	30	11	1	3	4	5	12	28
		Fem.	251	24	30	73	45	23	9	4	2	5	6	5	25
13	Cholera nostras	Totals.	32	1	.....	.....	1	.....	.....	7	11	8	3	1	.....
		Males.	19	.....	.....	.....	1	.....	.....	5	5	6	1	1	.....
		Fem.	13	1	.....	.....	.....	.....	.....	2	6	2	2	.....	.....
14	Dysentery	Totals.	135	1	3	2	1	2	3	14	30	42	27	6	4
		Males.	62	.....	2	1	.....	.....	3	5	14	18	14	2	3
		Fem.	73	1	1	1	1	2	.....	9	16	24	13	4	1
18	Erysipelas	Totals.	103	9	9	8	7	11	10	9	5	6	5	9	15
		Males.	57	8	3	3	3	7	6	5	3	4	4	5	6
		Fem.	46	1	6	5	4	4	4	4	2	2	1	4	9
19	Chicken pox	Totals.	6	.....	.....	1	.....	1	1	1	.....	.....	.....	1	1
		Males.	4	.....	.....	1	.....	1	1	.....	.....	.....	.....	1	.....
		Fem.	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
	German measles	Totals.	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
		Males.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
		Fem.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
	Mumps	Totals.	3	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....
		Males.	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
		Fem.	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.				Ages by five-year periods.																				Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59	60 to 64	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
6,488	1,080	513	375	254	8,710	894	658	968	1285	1212	1116	1157	1225	1249	1371	1592	1800	2203	2380	2241	3040	75	
3,694	563	257	211	128	4,853	465	324	463	612	598	501	565	619	701	773	841	976	1183	1339	1253	1651	63	
2,794	517	256	164	126	3,857	429	334	505	673	614	615	592	606	548	598	751	824	1020	1041	988	1389	12	
2	14	5	10	5	36	29	48	89	85	72	40	30	32	30	27	14	10	17	15	1	1	1	
1	7	1	3	1	13	13	17	46	56	49	27	20	18	19	18	5	4	7	11	...	...	1	
1	7	4	7	4	23	16	31	43	29	23	13	10	14	11	9	9	6	10	4	1	1	..	1
1	1	2	...	...	4	2	2	2	2	3	...	1	3	1	2	3	1	1	...	1	1	..	
1	1	1	...	...	3	...	2	...	...	2	...	1	1	...	1	...	1	1	...	1	1	..	
...	...	1	...	...	1	2	...	2	2	1	...	...	2	1	1	3	...	...	...	...	...	..	
6	2	1	...	...	9	1	2	2	5	3	2	1	7	3	2	5	4	1	6	4	4	..	
4	1	1	...	...	6	1	1	1	1	2	1	1	2	...	1	2	2	...	1	3	3	..	4
2	1	...	...	...	3	...	1	1	4	1	1	...	5	3	1	3	2	1	5	1	1	..	
13	1	...	...	1	15	...	1	...	1	4	2	3	...	...	1	...	...	1	...	...	1	..	
9	...	...	...	...	9	...	1	...	...	3	2	2	...	...	...	...	...	1	...	...	...	..	5
4	1	...	...	1	6	...	...	...	1	1	...	1	...	...	1	...	...	...	...	...	1	..	
42	41	19	11	10	123	20	7	6	3	5	4	3	2	...	...	1	1	...	1	...	...	..	
20	19	6	5	3	53	9	1	2	2	1	2	1	1	...	...	...	...	...	...	...	...	..	6
22	22	13	6	7	70	11	6	4	1	4	2	2	1	...	...	1	1	...	1	...	...	..	
15	13	22	25	22	97	70	15	6	7	2	1	1	...	1	...	...	...	...	...	...	...	..	
7	5	13	11	10	46	37	6	2	2	2	...	...	...	...	...	...	...	...	...	...	...	..	7
8	8	9	14	12	51	33	9	4	5	...	1	1	...	1	...	...	...	...	...	...	...	..	
243	80	25	13	8	369	11	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
117	37	11	5	5	175	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	8
126	43	14	8	3	194	10	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
32	45	53	68	54	252	199	66	23	11	3	3	4	2	2	1	...	...	...	1	...	...	..	
20	25	31	45	30	151	90	26	7	3	...	...	3	...	1	1	...	...	...	...	...	...	..	
12	20	22	23	24	101	109	40	16	8	3	3	1	2	1	...	...	...	...	1	...	...	..	
14	5	3	3	4	29	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
6	2	3	2	1	14	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	9
8	3	...	1	3	15	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
3	18	15	11	11	58	20	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
2	7	5	9	5	28	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
1	11	10	2	6	30	11	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
36	6	3	3	2	50	12	4	8	4	7	9	15	10	21	13	20	31	39	64	74	97	2	
25	2	...	3	...	30	4	2	6	2	3	3	10	1	12	7	9	10	18	27	30	54	1	10
11	4	3	...	2	20	8	2	2	2	4	6	5	9	9	6	11	21	21	37	44	43	1	
5	...	2	2	...	9	1	1	...	...	1	...	...	3	...	1	1	2	2	3	6	2	..	
4	...	2	1	...	7	1	1	...	...	...	...	...	1	...	1	1	...	1	1	4	1	..	13
1	...	...	1	...	2	...	...	...	...	1	...	...	2	...	...	...	2	1	2	2	1	..	
37	11	6	3	4	61	2	...	...	...	2	2	1	...	1	...	4	5	11	11	17	18	..	
22	6	1	1	...	30	...	...	...	...	2	...	1	...	...	...	1	3	2	5	10	8	..	14
15	5	5	2	4	31	2	...	...	...	...	2	...	...	1	...	3	2	9	6	7	10	..	
26	...	...	...	...	26	...	1	2	3	2	3	5	4	3	7	7	5	11	7	10	7	..	
13	...	...	...	...	13	...	1	...	3	1	3	3	2	2	4	3	1	5	5	5	6	..	18
13	...	...	...	...	13	...	...	2	...	1	...	2	2	1	3	4	4	6	2	5	1	..	
3	...	...	...	...	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
2	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	19
1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
1	...	1	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	2
1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
(19)	Other epidemic diseases	Totals.	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
20	Septicemia	Totals.	151	15	13	9	21	13	9	17	9	9	12	10	14
		Males..	67	7	6	6	9	4	3	6	3	6	8	2	7
		Fem...	84	8	7	3	12	9	6	11	6	3	4	8	7
27	Tuberculosis of lungs	Totals.	2,155	177	185	203	199	203	179	165	161	160	200	164	159
		Males..	949	80	93	96	90	82	74	69	71	74	78	71	71
		Fem...	1,206	97	92	107	109	121	105	96	90	86	122	93	88
26	Tuberculosis of larynx	Totals.	31	.....	4	4	5	1	.....	1	2	5	5	2	2
		Males..	18	.....	3	2	5	.....	.....	.....	.....	4	2	1	1
		Fem...	13	.....	1	2	.....	1	.....	1	2	1	3	1	1
28	Tuberculous meningitis	Totals.	112	8	10	18	6	9	9	13	3	5	12	8	11
		Males..	54	6	6	10	3	5	4	6	1	.....	6	5	2
		Fem...	58	2	4	8	3	4	5	7	2	5	6	3	9
29	Abdominal tuberculosis	Totals.	115	3	12	9	7	9	10	20	11	10	11	6	7
		Males..	46	1	3	3	2	3	4	11	5	2	6	1	5
		Fem...	69	2	9	6	5	6	6	9	6	8	5	5	2
30	Pott's disease	Totals.	30	3	4	3	1	3	3	2	2	4	2	.....	3
		Males..	15	2	2	1	1	2	1	2	.....	3	.....	.....	1
		Fem...	15	1	2	2	.....	1	2	.....	2	1	2	.....	2
31	Tuberculous abscess	Totals.	3	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....
		Males..	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
		Fem...	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
32	White swelling	Totals.	21	3	.....	1	4	1	3	1	2	.....	3	1	2
		Males..	14	2	.....	1	3	1	1	1	2	.....	2	.....	1
		Fem...	7	1	.....	.....	1	.....	2	.....	.....	.....	1	1	1
33	Tuberculosis of other organs	Totals.	36	3	2	3	2	3	2	2	4	4	2	4	5
		Males..	23	3	2	2	1	2	1	1	3	1	2	1	4
		Fem...	13	.....	.....	1	1	1	1	1	1	3	.....	3	1
34	General tuberculosis	Totals.	45	5	3	4	4	6	1	4	6	2	2	4	4
		Males..	27	4	2	2	2	5	.....	2	2	1	1	3	3
		Fem...	18	1	1	2	2	1	1	2	4	1	1	1	1
35	Scrofula	Totals.	14	3	1	2	1	1	.....	2	.....	1	2	1	.....
		Males..	8	1	.....	1	1	1	.....	1	.....	1	1	1	.....
		Fem...	6	2	1	1	.....	.....	.....	1	.....	.....	1	.....	.....
36-38	Venereal diseases	Totals.	130	10	14	10	10	13	5	14	8	11	9	9	17
		Males..	81	7	8	6	8	9	4	10	3	6	6	7	7
		Fem...	49	3	6	4	2	4	1	4	5	5	3	2	10
39	Cancer of mouth	Totals.	51	7	1	6	1	3	3	5	6	4	4	6	5
		Males..	40	7	1	5	1	3	3	3	3	3	2	4	5
		Fem...	11	.....	.....	1	.....	.....	.....	2	3	1	2	2	.....
40	Cancer of stomach and liver	Totals.	681	60	47	59	54	55	50	53	70	59	53	53	68
		Males..	343	32	25	32	29	18	21	24	34	31	35	27	35
		Fem...	338	28	22	27	25	37	29	29	36	28	18	26	33
41	Cancer of intestines	Totals.	163	13	13	12	7	13	19	15	13	14	15	13	16
		Males..	69	8	6	5	4	5	8	7	6	4	5	4	7
		Fem...	94	5	7	7	3	8	11	8	7	10	10	9	9
42	Cancer of genital organs	Totals.	232	20	21	12	15	20	18	24	18	24	24	19	17
		Males..	5	1	.....	.....	1	.....	.....	2	.....	.....	.....	.....	1
		Fem...	227	19	21	12	14	20	18	22	18	24	24	19	16
43	Cancer of breast	Totals.	128	9	14	12	9	11	9	11	12	12	7	7	15
		Males..	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....
		Fem...	126	9	14	12	9	11	9	10	12	12	7	6	15

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
1					1																		(19)
1					1																		
9	1		2	2	14	4	5	6	12	16	16	14	11	8	9	9	8	3	6	7	3		20
6	1			1	8	1	2	4	5	5	5	4	2	3	6	4	5	1	6	4	2		
3			2	1	6	3	3	2	7	11	11	10	9	5	3	5	3	2		3	1		
32	11	10	3	4	60	16	41	221	360	314	250	187	153	122	114	84	76	71	33	32	18	3	27
21	5	6	3	2	37	6	9	69	135	124	101	88	71	66	66	53	38	38	21	18	7	2	
11	6	4		2	23	10	32	152	225	190	149	99	82	56	48	31	38	33	12	14	11	1	
			1		1			4	3	3	4		2	2	3	4	1	1	1	1		1	26
								3	2	1	2		1		1	4	1	1		1		1	
			1		1			1	1	2	2		1	2	2				1				
32	16	5	3	5	61	16	6	6	6	1	4	1	3	1	3	1	2				1		28
17	7	2	1	4	31	10	3	1	3	1	1		1		1		1				1		
15	9	3	2	1	30	6	3	5	3		3	1	2	1	2	1	1						
5	3	1	1	2	12	2	9	17	13	15	8	4	7	5	6	6	4	4	2	1		1	29
4	3		1	1	9	1	4	2	5	4			4	3	3	3	2	3	2	1		1	
1		1		1	3	1	5	15	8	11	8	4	3	2	3	3	2	1					
2					2	1	2	5	7	1	3	3				2	2		2				30
						1	2	1	5		2					1	2		1				
2					2			4	2	1	1	3				1			1				
							1						1				1						31
													1				1						
							1																
1			1		2	2	2	1	3	3	3		1		3	1							32
1			1		2	1	1		2	3	1				3	1							
						1	1	1	1		2		1										
1	1				2	2	2	1	1	8	1	3	4		2	1	1		5	1	2		33
1	1				2	1	1	1	1	3	1	2	4		2	1			3	1			
						1	1			5		1					1		2		2		
1	1			1	3	3	1	6	7	5	1	6	4	3		1	3	1	1				34
				1	1	3	1	2	5	5		1	3	2		1	2	1					
1	1				2			4	2		1	5	1	1			1		1				
8	2				10		1					1				1		1					35
5	2				7											1							
3					3		1					1						1					
85	3				88			1	5	7	4	5	3	5	3	4		1	1		3		36, 38
53					53				3	5	3	1	3	1	3	4		1	1		3		
32	3				35			1	2	2	1	4		4									
										1	1	4	3	2	3	3	6	5	8	10	5		39
										1		4	3	1	1	2	4	5	8	7	4		
											1			1	2	1	2			3	1		
						1		1		6	7	14	36	58	85	98	111	89	97	43	34	1	40
										1	4	6	16	25	40	49	59	44	64	21	14		
						1		1		5	3	8	20	33	45	49	52	45	33	22	20	1	
							1	1		7	4	5	13	7	12	28	30	21	15	13	6		41
								1		3	3	2	9	4	6	10	10	11	5	2	3		
							1			4	1	3	4	3	6	18	20	10	10	11	3		
1					1					4	5	17	29	37	35	32	32	20	9	10	1		42
										1		1		1				1	1				
1					1					3	5	16	29	36	35	32	32	19	8	10	1		
1					1					2	1	10	12	11	18	21	16	16	7	8	5		43
																	1			1			
1					1					2	1	10	12	11	18	21	15	16	7	7	5		

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
44	Cancer of skin.....	Totals.	91	3	2	7	6	6	12	8	10	10	10	10	7
		Males..	59	2	1	7	4	5	7	2	8	6	7	5	5
		Fem...	32	1	1	.....	2	1	5	6	2	4	3	5	2
45	Cancer of other organs.....	Totals.	348	34	27	36	35	25	22	27	30	34	23	31	24
		Males..	181	20	14	17	20	15	11	14	14	16	15	11	14
		Fem...	167	14	13	19	15	10	11	13	16	18	8	20	10
46	Tumors.....	Totals.	56	5	3	5	7	4	6	6	4	5	2	5	4
		Males..	13	1	1	1	1	1	2	1	1	0	.....	2	2
		Fem...	43	4	2	4	6	3	4	5	3	5	2	3	2
47,48	Rheumatism.....	Totals.	236	25	14	23	30	13	22	13	18	19	20	26	13
		Males.	106	9	4	10	17	9	15	5	6	6	13	8	4
		Fem...	130	16	10	13	13	4	7	8	12	13	7	18	9
50	Diabetes.	Totals.	265	23	16	18	25	22	13	19	25	18	22	29	35
		Males..	137	15	10	7	13	11	6	11	13	10	9	16	16
		Fem...	128	8	6	11	12	11	7	8	12	8	13	13	19
53,54	Anemia.....	Totals.	230	12	16	23	20	24	15	22	17	18	16	23	24
		Males..	102	7	11	7	12	5	7	8	7	5	8	12	13
		Fem...	128	5	5	16	8	19	8	14	10	13	8	11	11
56	Alcoholism.....	Totals.	102	9	3	12	7	8	10	6	8	13	6	10	10
		Males..	97	9	3	11	7	8	8	6	7	12	6	10	10
		Fem..	5	.....	.....	1	.....	.....	2	.....	1	1	.....	.....	.....
57-59	Chronic poisonings...	Totals.	20	.....	1	1	.....	3	4	5	.....	1	2	2	1
		Males.	8	.....	1	.....	.....	2	2	2	.....	.....	1	.....	.....
		Fem...	12	.....	.....	1	.....	1	2	3	.....	1	1	2	1
55	Other general diseases, etc.....	Totals.	67	9	6	7	6	4	6	6	6	5	6	2	4
		Males..	24	2	1	3	.....	2	5	1	3	3	.....	2	2
		Fem...	43	7	5	4	6	2	1	5	3	2	6	.....	2
60	Encephalitis.....	Totals.	60	6	5	7	5	5	6	3	4	1	6	4	8
		Males..	29	3	2	5	1	3	1	2	1	1	4	3	3
		Fem...	31	3	3	2	4	2	5	1	3	.....	2	1	5
61	Meningitis.....	Totals.	382	26	34	44	24	41	31	34	27	30	29	29	33
		Males..	204	13	19	24	10	21	17	15	17	18	12	17	21
		Fem...	178	13	15	20	14	20	14	19	10	12	17	12	12
62	Locomotor ataxia....	Totals.	65	4	6	7	2	5	4	4	4	4	8	7	10
		Males..	52	3	5	6	2	1	3	2	3	4	8	6	9
		Fem...	13	1	1	1	.....	4	1	2	1	.....	.....	1	1
63	Other diseases of spinal cord.....	Totals.	123	13	10	9	14	13	10	10	10	8	5	9	12
		Males..	62	7	8	5	5	7	3	5	3	3	3	6	7
		Fem...	61	6	2	4	9	6	7	5	7	5	2	3	5
64	Apoplexy.....	Totals.	1,390	126	113	138	118	135	121	101	99	99	105	106	129
		Males..	724	62	63	77	62	64	64	56	54	49	58	49	66
		Fem...	666	64	50	61	56	71	57	45	45	50	47	57	63
65	Softening of brain....	Totals.	88	6	10	5	7	5	7	10	5	9	7	9	8
		Males..	56	4	5	3	4	3	5	5	2	5	5	7	8
		Fem...	32	2	5	2	3	2	2	5	3	4	2	2	.....
66	Paralysis.....	Totals.	843	78	73	65	69	67	52	72	74	67	73	77	76
		Males..	448	49	44	28	37	43	26	40	42	32	31	31	45
		Fem...	395	29	29	37	32	24	26	32	32	35	42	46	31
67	General paralysis of insane.....	Totals.	138	12	9	10	11	9	14	9	12	17	9	12	14
		Males..	96	8	5	10	9	5	10	4	5	13	6	10	11
		Fem ..	42	4	4	.....	2	4	4	5	7	4	3	2	3
68	Other forms of mental disease.	Totals.	95	14	4	12	4	6	5	6	6	4	10	12	12
		Males..	52	8	2	5	1	4	2	4	4	2	6	7	7
		Fem ..	43	6	2	7	3	2	3	2	2	2	4	5	5

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																	Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
1	...	...	...	...	1	...	...	...	...	...	...	1	3	6	9	4	8	12	18	6	23	..	44
1	...	...	...	...	1	...	...	...	...	...	...	...	3	3	7	1	4	7	12	5	16	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	2	3	4	5	6	1	7	..	
2	1	...	1	1	5	4	...	3	6	2	12	22	11	33	35	46	29	46	32	33	29	..	45
...	1	...	...	...	1	3	...	2	3	...	3	10	5	20	17	14	15	25	21	24	18	..	
2	...	...	1	1	4	1	...	1	3	2	9	12	6	13	18	32	14	21	11	9	11	..	
2	...	...	...	...	2	...	...	...	2	1	2	1	1	4	3	9	9	6	5	6	4	..	46
1	...	...	...	...	1	...	...	...	2	...	...	...	...	3	...	2	3	1	...	...	...	..	
1	...	...	...	...	1	...	...	...	...	1	2	1	1	1	3	7	6	5	5	6	4	..	
1	...	...	...	1	2	10	11	12	5	6	8	11	13	13	16	17	19	26	29	21	16	1	47, 48
1	...	...	...	1	2	3	4	7	2	1	4	6	5	6	9	6	10	10	13	10	8	..	
...	...	...	...	...	...	7	7	5	3	5	4	5	8	7	7	11	9	16	16	11	8	1	
1	...	1	1	...	3	5	20	11	4	14	8	13	8	17	20	24	42	22	25	17	12	..	50
1	...	1	1	...	3	2	11	8	3	6	4	7	5	8	7	10	16	11	14	11	11	..	
...	...	...	...	...	...	3	9	3	1	8	4	6	3	9	13	14	26	11	11	6	1	..	
21	6	2	...	2	31	5	4	11	6	11	16	8	7	23	14	22	13	21	17	11	10	..	53, 54
8	4	1	...	1	14	3	2	2	4	4	8	1	2	7	8	8	5	13	12	5	4	..	
13	2	1	...	1	17	2	2	9	2	7	8	7	5	16	6	14	8	8	5	6	6	..	
...	...	...	...	...	...	...	...	...	2	4	14	8	15	17	15	5	10	4	3	2	1	2	56
...	...	...	...	...	...	...	...	...	2	4	14	8	15	14	13	5	10	4	3	2	1	2	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	4	4	2	...	3	2	1	..	57–59
...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	...	2	...	...	1	1	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	2	...	2	1	1	..	
5	4	2	...	1	12	...	1	...	4	3	6	7	10	...	6	8	3	4	2	...	1	..	55, etc.
4	1	...	...	1	6	...	...	...	...	2	2	4	1	...	2	3	1	2	...	...	1	..	
1	3	2	...	...	6	...	1	...	4	1	4	3	9	...	4	5	2	2	2	...	...	..	
16	6	1	2	...	25	3	5	4	4	1	...	3	2	1	1	3	1	2	4	...	1	..	60
8	3	1	1	...	13	3	1	2	...	...	...	1	...	1	1	2	1	2	1	...	1	..	
8	3	...	1	...	12	...	4	2	4	1	...	2	2	...	...	1	...	...	3	...	...	..	
136	36	19	20	8	219	33	27	19	14	13	11	9	7	5	3	3	6	5	5	...	3	..	61
77	20	8	9	2	116	22	12	11	6	9	5	6	2	3	1	2	2	2	4	...	1	..	
59	16	11	11	6	103	11	15	8	8	4	6	3	5	2	2	1	4	3	1	...	2	..	
...	...	...	...	...	...	...	...	...	...	...	1	6	4	4	10	11	8	7	5	3	6	..	62
...	...	...	...	...	...	...	...	...	...	...	1	5	2	4	10	9	7	2	5	3	4	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	2	1	5	...	...	2	..	
7	...	3	...	...	10	2	1	2	1	3	2	1	3	7	14	13	10	13	15	12	14	..	63
3	...	2	...	...	5	2	1	...	...	1	1	...	3	4	5	4	6	7	9	7	7	..	
4	...	1	...	...	5	...	...	2	1	2	1	1	...	3	9	9	4	6	6	5	7	..	
32	5	8	2	2	49	8	5	7	10	16	16	25	45	62	89	122	136	220	219	181	176	4	64
21	3	3	2	2	31	5	3	2	6	11	7	16	19	34	45	62	72	118	112	92	86	3	
11	2	5	...	...	18	3	2	5	4	5	9	9	26	28	44	60	64	102	107	89	90	1	
...	...	...	...	...	...	1	...	...	...	2	2	1	...	2	5	6	9	11	14	16	19	..	65
...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	4	3	6	8	9	10	13	..	
...	...	...	...	...	...	...	...	...	...	1	2	1	...	1	1	3	3	3	5	6	6	..	
9	4	...	...	1	14	5	3	5	2	2	3	6	12	30	38	46	78	111	137	142	207	2	66
6	2	...	...	1	9	4	1	2	...	2	1	2	9	13	22	25	37	62	71	77	110	1	
3	2	...	...	...	5	1	2	3	2	...	2	4	3	17	16	21	41	49	66	65	97	1	
...	...	1	2	...	3	...	...	...	1	2	4	10	17	14	14	11	12	12	14	12	8	4	67
...	...	...	2	...	2	...	...	...	1	2	4	7	11	12	11	8	9	7	7	9	3	3	
...	...	1	...	...	1	...	...	...	...	...	...	3	6	2	3	3	3	5	7	3	5	1	
...	...	...	...	...	...	...	...	...	4	3	4	7	12	7	12	11	4	8	4	11	7	1	68
...	...	...	...	...	...	...	...	...	2	3	3	2	5	4	6	5	3	3	2	9	4	1	
...	...	...	...	...	...	...	...	...	2	...	1	5	7	3	6	6	1	5	2	2	3	..	

Table III.—Continued.—Causes of deaths in Michigan, by months,

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
(74)	Other diseases of brain	Totals.	58	4	3	5	1	6	7	6	2	3	4	10	7
		Males.	30	3	1	3	1	2	2	3	.....	3	1	6	5
		Fem.	28	1	2	2	.....	4	5	3	2	.....	3	4	2
69	Epilepsy	Totals.	144	8	11	16	20	14	10	12	13	7	13	11	9
		Males.	86	6	7	8	15	7	5	4	11	4	6	8	5
		Fem.	58	2	4	8	5	7	5	8	2	3	7	3	4
70,71	Convulsions	Totals.	483	39	37	52	36	50	43	48	34	35	31	47	31
		Males.	291	24	22	33	27	28	26	28	23	24	16	24	16
		Fem.	192	15	15	19	9	22	17	20	11	11	15	23	15
72	Tetanus	Totals.	58	1	.....	1	2	1	7	24	6	7	1	5	3
		Males.	45	1	.....	1	2	1	7	20	2	4	1	4	2
		Fem.	13	.....	.....	.....	.....	.....	.....	4	4	3	.....	1	1
73-76	Other diseases of nervous system	Totals.	150	13	5	16	13	14	14	10	15	11	19	11	9
		Males.	66	4	4	7	6	8	5	6	6	5	8	3	4
		Fem.	84	9	1	9	7	6	9	4	9	6	11	8	5
77	Pericarditis	Totals.	54	2	6	3	6	7	7	5	2	3	1	5	7
		Males.	34	2	3	2	3	5	6	3	1	1	1	5	2
		Fem.	20	.....	3	1	3	2	1	2	1	2	.....	.....	5
78	Endocarditis	Totals.	134	13	9	11	15	13	12	8	13	9	10	11	10
		Males.	61	5	2	3	5	6	6	5	6	5	5	6	7
		Fem.	73	8	7	8	10	7	6	3	7	4	5	5	3
79	Heart disease	Totals.	3,297	297	299	300	296	261	269	254	233	223	278	282	305
		Males.	1,811	164	173	155	160	147	141	141	133	126	149	148	174
		Fem.	1,486	133	126	145	136	114	128	113	100	97	129	134	131
80	Angina pectoris	Totals.	217	22	24	24	13	25	15	18	15	9	16	15	21
		Males.	120	13	9	15	9	12	10	10	6	5	11	9	11
		Fem.	97	9	15	9	4	13	5	8	9	4	5	6	10
81	Diseases of arteries	Totals.	162	15	11	11	12	9	18	19	15	7	19	8	18
		Males.	111	10	8	10	7	5	9	12	14	4	13	4	15
		Fem.	51	5	3	1	5	4	9	7	1	3	6	4	3
82	Embolism	Totals.	48	4	5	9	4	4	5	2	4	.....	4	2	5
		Males.	19	1	1	4	2	1	4	1	1	.....	2	1	1
		Fem.	29	3	4	5	2	3	1	1	3	.....	2	1	4
83	Diseases of veins	Totals.	5	.....	.....	1	.....	.....	.....	2	1	1	.....	.....	.....
		Males.	4	.....	.....	1	.....	.....	.....	1	1	1	.....	.....	.....
		Fem.	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
84	Diseases of lymphatics	Totals.	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
		Males.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
		Fem.	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
85,86	Other diseases of circulatory system	Totals.	49	5	5	4	4	6	3	3	2	4	4	4	5
		Males.	24	3	1	3	2	5	1	3	1	1	2	1	1
		Fem.	25	2	4	1	2	1	2	.....	1	3	2	3	4
88	Laryngitis	Totals.	14	2	2	1	2	1	1	1	.....	.....	.....	.....	4
		Males.	8	1	1	.....	1	1	1	1	.....	.....	.....	.....	2
		Fem.	6	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	2
	Other diseases of larynx	Totals.	34	4	5	3	4	2	3	2	1	3	3	1	3
		Males.	22	.....	2	2	4	2	1	2	.....	2	3	1	3
		Fem.	12	4	3	1	.....	.....	2	.....	1	1	.....	.....	.....
89	Diseases of thyroid body	Totals.	7	.....	.....	.....	.....	2	.....	.....	1	2	1	1	.....
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	7	.....	.....	.....	.....	2	.....	.....	1	2	1	1	.....
90	Acute bronchitis	Totals.	470	64	77	63	38	39	26	17	21	13	25	44	43
		Males.	239	27	41	31	25	18	17	7	11	8	12	24	18
		Fem.	231	37	36	32	13	21	9	10	10	5	13	20	25

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74	75 to 79.	80 +	Unknown.	
5	2	...	1	...	8	3	2	...	...	3	1	3	3	3	4	4	7	4	3	6	4	..	(74)
1	...	...	...	...	1	...	1	...	...	1	...	3	1	2	1	4	5	3	1	5	2	..	
4	2	...	1	...	7	3	1	...	...	2	1	...	2	1	3	...	2	1	2	1	2	..	
9	1	...	...	...	10	4	10	12	30	8	6	8	7	10	3	8	5	5	4	10	4	..	69
5	1	...	...	...	6	4	8	7	16	3	4	4	4	5	3	5	4	2	3	6	2	..	
4	...	...	...	...	4	...	2	5	14	5	2	4	3	5	...	3		3	1	4	2	..	
411	25	9	3	3	451	3	6	3	3	3	1	1	...	1	2	...		1	3	1	2	..	70, 71
254	14	6	1	2	277	3	3	1	...	...	...	...	...	1	2	...		..	1	1	2	..	
157	11	3	2	1	174	...	3	2	3	3	1	1	...	...	...	...	2	1	2	...	...	..	
7	1	...	...	1	9	9	21	7	2	2	1	2	...	2	...	2		1	...	...	...	..	72
5	...	...	...	...	5	6	18	6	2	1	1	1	...	2	...	2		1	...	...	...	..	
2	1	...	...	1	4	3	3	1	...	1	...	1	...	...	...	...		..	...	...	...	..	
16	6	1	1	3	27	4	7	10	5	2	4	11	6	10	12	5	9	9	6	12	11	..	73–76
11	5	1	...	1	18	1	2	6	3	1	2	4	1	3	7	2	3	3	3	4	3	..	
5	1	...	1	2	9	3	5	4	2	1	2	7	5	7	5	3	6	6	3	8	8	..	
1	1	...	...	2	4	2	3	2	1	2	2	1	3	1	5	4	2	5	5	3	9	..	77
...	1	...	...	1	2	2	3	2	1	...	2	...	1	1	2	2	1	4	3	2	6	..	
1	...	...	...	1	2	...	...	...	...	2	...	1	2	...	3	2	1	1	2	1	3	..	
2	1	1	...	...	4	3	5	1	10	3	6	8	9	9	4	11	16	17	12	6	10	.	78
2	...	1	...	...	3	1	1	1	2	3	2	2	3	7	2	6	11		3	3	3	.	
...	1	...	...	...	1	2	4	...	8	...	4	6	6	2	2	5	5		9	3	7	.	
59	10	3	5	2	79	30	26	35	48	55	71	94	130	147	175	250	334	418	499	445	455	6	79
34	4	3	3	1	45	16	9	16	29	25	28	39	62	82	88	122	199	241	281	257	267	5	
25	6	...	2	1	34	14	17	19	19	30	43	55	68	65	87	128	135	177	218	188	188	1	
...	...	...	...	...	...	...	...	...	...	6	11	4	7	8	11	32	26	38	31	25	17	1	80
...	...	...	...	...	...	...	...	...	...	...	5	2	4	5	4	17	17	23	20	11	12	.	
...	...	...	...	...	...	...	...	...	...	6	6	2	3	3	7	15	9	15	11	14	5	1	
1	...	...	...	...	1	...	...	1	1	...	...	1	5	4	4	12	9	21	29	31	42	1	81
...	...	...	...	...	...	...	...	1	...	...	...	...	4	2	3	9	6	13	24	15	33	1	
1	...	...	...	...	1	...	...	...	1	...	...	1	1	2	1	3	3	8	5	16	9	..	
2	...	...	...	1	3	...	...	4	2	2	1	4	2	3	1	3	5	4	6	5	3	..	82
1	...	...	...	...	1	...	...	2	...	...	...	1	1	...	1	1	3	1	3	3	2	..	
1	...	...	...	1	2	...	...	2	2	2	1	3	1	3	...	2	2	3	3	2	1	..	
1	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	...	2	...	...	...	..	83
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	2	...	...	...	..	
1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	..	84
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	..	
...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	..	
22	3	...	...	1	26	1	1	2	2	2	...	1	...	1	...	1	1	3	2	2	4	..	85, 86
11	...	...	...	...	11	...	...	1	2	1	...	1	...	...	...	1	...	1	1	2	3	..	
11	3	...	...	1	15	1	1	1	...	1	...	...	...	1	...	...	1	2	1	...	1	..	
4	...	1	1	1	7	1	2	1	1	1	...	...	...	...	...	...	...	...	...	...	1	..	88
3	...	1	...	1	5	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	..	
1	...	...	1	...	2	...	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	..	
11	4	2	4	...	21	5	1	...	2	...	...	1	1	...	...	...	2	...	...	...	1	..	
8	3	1	1	...	13	3	1	...	1	...	...	1	...	...	...	...	2	...	...	...	1	..	
3	1	1	3	...	8	2	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	1	1	...	...	...	...	2	1	1	...	...	...	...	1	...	..	89
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	1	1	...	...	...	...	2	1	1	...	...	...	...	1	...	..	
280	53	20	15	9	377	12	1	4	...	3	1	3	2	1	1	1	8	7	8	12	29	...	90
161	27	10	6	4	208	4	1	1	...	1	...	1	1	...	1	1	2	3	4	4	7	...	
119	26	10	9	5	169	8	...	3	...	2	1	2	1	1	...	...	6	4	4	8	22	...	

Table III.—Continued.—Causes of death in Michigan, by months

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
91	Chronic bronchitis...	Totals.	331	35	43	36	21	35	22	20	18	26	22	27	26
		Males..	159	14	21	20	7	16	9	9	11	18	10	10	14
		Fem...	172	21	22	16	14	19	13	11	7	8	12	17	12
92	Bronchopneumonia..	Totals.	588	81	76	83	67	43	29	21	24	16	25	43	80
		Males..	297	46	46	36	28	21	15	9	10	7	13	25	41
		Fem...	291	35	30	47	39	22	14	12	14	9	12	18	39
93	Pneumonia.....	Totals.	2,019	271	275	287	217	190	85	59	66	67	94	142	266
		Males..	1,118	155	155	156	120	100	52	31	30	34	54	79	152
		Fem...	901	116	120	131	97	90	33	28	36	33	40	63	114
94	Pleurisy.....	Totals.	76	5	9	6	10	7	4	10	7	4	2	6	6
		Males..	48	5	2	2	8	5	3	6	2	4	2	4	5
		Fem...	28	.....	7	4	2	2	1	4	5	.....	.....	2	1
95	Congestion of lungs..	Totals.	173	26	25	17	19	10	7	8	13	6	9	17	16
		Males..	93	11	10	8	10	4	7	6	10	4	4	9	10
		Fem...	80	15	15	9	9	6	.....	2	3	2	5	8	6
96	Gangrene of lungs....	Totals.	7	1	1	.....	4	.....	.....	.....	.....	.....	1	.....	.....
		Males..	4	1	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	3	.....	.....	.....	2	.....	.....	.....	.....	.....	1	.....	.....
97,98	Asthma and emphysema.....	Totals.	101	11	9	6	14	12	5	7	7	9	7	5	9
		Males..	58	5	6	3	8	6	2	6	6	6	3	4	3
		Fem...	43	6	3	3	6	6	3	1	1	3	4	1	6
99	Hemorrhage of lungs.	Totals.	35	2	.....	4	1	2	1	1	5	4	6	5	4
		Males..	19	1	.....	2	1	2	1	.....	2	.....	4	4	2
		Fem...	16	1	.....	2	.....	.....	.....	1	3	4	2	1	2
	Other diseases of respiratory organs....	Totals.	93	10	9	11	11	5	1	7	8	7	10	8	6
		Males..	59	9	5	8	7	3	1	5	5	5	5	5	1
		Fem...	34	1	4	3	4	2	.....	2	3	2	5	3	5
100	Diseases of mouth....	Totals.	34	3	2	7	6	.....	.....	.....	3	5	3	4	1
		Males..	21	3	2	4	2	.....	.....	.....	2	4	1	2	1
		Fem...	13	.....	.....	3	4	.....	.....	.....	1	1	2	2	.....
101	Tonsillitis.....	Totals.	26	1	2	2	2	2	4	1	1	2	.....	5	4
		Males..	10	.....	1	.....	1	1	1	1	1	.....	.....	2	2
		Fem...	16	1	1	2	1	1	3	.....	.....	2	.....	3	2
	Other diseases of pharynx.....	Totals.	35	4	2	2	.....	4	3	.....	4	2	2	7	5
		Males..	16	2	1	.....	.....	2	2	.....	.....	2	2	1	4
		Fem...	19	2	1	2	.....	2	1	.....	4	.....	.....	6	1
103	Ulcer of stomach....	Totals.	77	7	6	7	8	4	7	6	5	7	7	6	7
		Males..	45	4	3	4	7	2	4	5	2	6	3	4	1
		Fem...	32	3	3	3	1	2	3	1	3	1	4	2	6
104	Gastritis.....	Totals.	198	15	17	18	12	19	15	13	17	25	16	13	18
		Males..	100	10	8	6	7	9	10	7	7	13	8	7	8
		Fem...	98	5	9	12	5	10	5	6	10	12	8	6	10
	Other diseases of stomach.....	Totals.	268	26	25	12	18	19	18	25	21	36	16	19	33
		Males..	144	16	16	7	8	9	10	13	14	21	10	10	10
		Fem...	124	10	9	5	10	10	8	12	7	15	6	9	23
(314)	Dentition.....	Totals.	8	.....	1	2	1	1	1	.....	.....	1	1	.....	.....
		Males..	4	.....	1	1	.....	.....	1	.....	.....	1	.....	.....	.....
		Fem...	4	.....	.....	1	1	1	.....	.....	.....	.....	1	.....	.....
105	Diarrhea and enteritis (under 2 years)	Totals.	1,664	63	34	56	36	59	65	266	369	409	178	76	53
		Males..	915	39	17	36	19	43	38	134	198	218	103	38	32
		Fem...	749	24	17	20	17	16	27	132	171	191	75	38	21
106	Diarrhea and enteritis (over 2 years).	Totals.	451	18	23	19	25	14	26	47	64	95	57	30	33
		Males..	237	11	11	10	13	9	12	23	38	55	23	16	16
		Fem...	214	7	12	9	12	5	14	24	26	40	34	14	17

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
16	8	1	...	1	26	2	2	2	5	2	3	8	8	7	7	16	21	35	52	48	85	2	91
7	4	1	...	1	13	1	...	1	3	1	1	1	6	4	5	12	10	14	26	24	35	2	
9	4	...	...	...	13	1	2	1	2	1	2	7	2	3	2	4	11	21	26	24	50	..	
258	85	33	21	7	404	19	3	2	7	1	8	7	7	4	8	9	15	15	21	26	31	1	92
147	44	13	12	3	219	12	1	1	1	1	5	5	2	2	4	2	5	6	8	11	12	..	
111	41	20	9	4	185	7	2	1	6	...	3	2	5	2	4	7	10	9	13	15	19	1	
499	112	44	25	14	694	45	39	57	63	60	56	66	79	82	80	93	97	132	109	115	148	4	93
280	74	18	18	11	401	24	14	33	37	34	24	38	52	58	50	55	58	63	46	62	65	4	
219	38	26	7	3	293	21	25	24	26	26	32	28	27	24	30	38	39	69	63	53	83	..	
1	1	1	2	1	6	3	2	8	5	4	9	2	1	4	2	6	4	5	5	7	3	..	94
...	...	1	1	...	2	2	2	6	5	2	4	1	1	3	2	2	4	3	4	3	2	..	
1	1	...	1	1	4	1	...	2	...	2	5	1	...	1	...	4	...	2	1	4	1	..	
62	3	4	2	2	73	5	1	1	2	2	1	5	3	7	4	4	8	18	6	20	13	..	95
28	1	1	...	...	30	3	1	...	2	2	1	5	2	3	1	3	4	11	5	11	9	..	
34	2	3	2	2	43	2	...	1	...	...	...	...	1	4	3	1	4	7	1	9	4	..	
1	...	...	...	1	2	...	...	...	...	...	...	...	...	1	1	2	...	...	...	1	...	..	96
1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	..	
...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	..	
5	1	1	2	1	10	...	...	...	1	...	1	3	2	4	2	5	8	14	13	18	19	1	97, 98
3	1	1	2	1	8	...	...	...	...	...	1	2	1	2	1	4	3	4	8	12	11	1	
2	...	...	...	...	2	...	...	...	1	...	...	1	1	2	1	1	5	10	5	6	8	..	
5	...	...	...	...	5	...	...	1	2	2	4	3	...	1	3	1	4	4	3	1	...	1	99
3	...	...	...	...	3	...	...	1	2	1	2	1	...	...	2	1	3	1	1	...	...	1	
2	...	...	...	...	2	...	...	...	...	1	2	2	...	1	1	...	1	3	2	1	...	..	
12	2	...	3	...	17	1	3	2	2	8	5	3	2	7	6	4	7	8	9	1	8	..	
5	2	...	2	...	9	...	2	...	2	3	3	2	2	6	5	4	6	5	5	1	4	..	
7	...	...	1	...	8	1	1	2	...	5	2	1	...	1	1	...	1	3	4	...	4	..	
27	...	1	1	...	29	1	...	1	1	...	1	...	...	...	...	...	...	...	...	...	1	..	100
15	...	1	1	...	17	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...	1	..	
12	...	...	...	...	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
3	...	2	3	3	11	5	3	1	1	...	1	...	...	1	...	...	...	...	1	...	2	..	101
1	...	1	2	2	6	...	...	1	1	...	...	...	...	...	...	...	...	...	1	...	1	..	
2	...	1	1	1	5	5	3	...	...	...	1	...	...	1	...	...	...	...	...	...	1	..	
2	1	2	1	1	7	1	2	1	4	3	...	1	2	1	1	...	4	3	1	2	2	..	
1	...	...	1	...	2	...	...	1	1	2	...	...	...	...	1	...	3	3	1	1	1	..	
1	1	2	...	1	5	1	2	...	3	1	...	1	2	1	...	...	1	...	...	1	1	..	
1	1	...	1	...	3	...	1	...	1	1	2	8	8	2	5	10	6	12	4	8	6	..	103
1	1	...	...	...	2	...	1	...	1	1	...	4	4	1	2	4	6	9	3	3	4	..	
...	...	...	1	...	1	...	...	...	...	...	2	4	4	1	3	6	...	3	1	5	2	..	
44	12	6	...	2	64	2	2	...	3	3	1	4	4	6	10	14	11	14	14	20	26	..	104
25	4	1	...	1	31	...	...	...	3	1	1	2	1	2	4	8	7	10	7	8	15	..	
19	8	5	...	1	33	2	2	...	...	2	...	2	3	4	6	6	4	4	7	12	11	..	
108	5	4	3	1	121	2	...	1	2	7	6	4	4	12	5	9	11	19	27	17	21	..	
64	4	2	1	...	71	1	...	...	...	2	2	2	3	9	4	9	3	10	9	11	8	..	
44	1	2	2	1	50	1	...	1	2	5	4	2	1	3	1	...	8	9	18	6	13	..	
7	1	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
3	1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
4	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
1,378	286	...	...	...	1664	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	105
770	145	...	...	...	915	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
608	141	...	...	...	749	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	92	40	12	144	14	9	10	10	6	13	5	9	12	13	18	32	30	48	28	50	..	106
...	...	55	25	6	86	5	5	6	3	3	4	2	7	7	7	9	17	13	21	16	26	..	
...	...	37	15	6	58	9	4	4	7	3	9	3	2	5	6	9	15	17	27	12	24	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
108	Hernia	Totals.	72	3	6	6	7	4	6	7	4	8	8	7	6
		Males..	39	1	4	3	5	2	4	5	2	4	5	2	2
		Fem...	33	2	2	3	2	2	2	2	2	4	3	5	4
	Obstruction of intestines	Totals.	215	19	15	17	30	21	14	11	16	16	19	18	19
		Males..	102	9	8	12	12	8	9	3	6	9	12	4	10
		Fem...	113	10	7	5	18	13	5	8	10	7	7	14	9
107, 109	Other diseases of intestines	Totals.	81	5	8	10	13	6	4	6	2	7	8	9	3
		Males..	47	2	7	7	5	3	3	3	1	5	5	4	2
		Fem...	34	3	1	3	8	3	1	3	1	2	3	5	1
110	Acute yellow atrophy of liver	Totals.	8	1	.....	1	1	1	.....	1	1	.....	.....	1	1
		Males..	4	1	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....
		Fem...	4	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1
111	Hydatid tumors	Totals.	2	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
		Males..	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
		Fem...	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
112	Cirrhosis of liver	Totals.	254	18	21	21	26	20	20	23	22	19	18	20	26
		Males..	157	10	15	15	15	8	10	15	16	15	10	11	17
		Fem...	97	8	6	6	11	12	10	8	6	4	8	9	9
113	Biliary calculi	Totals.	64	2	4	8	9	10	5	3	6	3	5	5	4
		Males..	19	.....	2	3	4	1	1	.....	3	1	3	.....	1
		Fem...	45	2	2	5	5	9	4	3	3	2	2	5	3
114	Other diseases of liver	Totals.	196	15	19	21	20	15	19	11	20	13	12	15	16
		Males..	95	7	15	9	13	5	10	2	12	7	5	5	5
		Fem...	101	8	4	12	7	10	9	9	8	6	7	10	11
115	Diseases of spleen	Totals.	13	.....	2	2	.....	.....	1	1	2	.....	1	.....	4
		Males..	8	.....	1	1	.....	.....	1	1	2	.....	1	.....	1
		Fem...	5	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	3
116	Peritonitis	Totals.	304	30	27	29	23	19	27	20	32	26	18	25	28
		Males..	117	12	9	15	6	9	12	6	14	8	8	9	9
		Fem...	187	18	18	14	17	10	15	14	18	18	10	16	19
118	Appendicitis	Totals.	278	20	13	31	20	24	21	27	23	35	26	15	23
		Males..	181	12	12	21	13	17	17	18	11	21	18	7	14
		Fem...	97	8	1	10	7	7	4	9	12	14	8	8	9
117	Other diseases of digestive system	Totals.	4	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2	.....
		Males..	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....
		Fem...	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....
119	Acute nephritis	Totals.	134	20	17	11	12	11	2	8	7	11	10	11	14
		Males..	73	11	6	6	7	5	1	6	3	5	7	5	11
		Fem...	61	9	11	5	5	6	1	2	4	6	3	6	3
120	Bright's disease	Totals.	1,279	118	83	112	100	117	108	116	118	96	96	107	108
		Males..	757	71	54	61	57	67	59	61	79	67	58	66	57
		Fem...	522	47	29	51	43	50	49	55	39	29	38	41	51
121	Other diseases of kidneys	Totals.	73	9	5	6	9	7	8	.....	7	5	4	6	7
		Males..	46	6	4	4	5	4	4	.....	4	3	3	4	5
		Fem...	27	3	1	2	4	3	4	.....	3	2	1	2	2
122	Calculi of urinary tract	Totals.	8	.....	.....	.....	.....	.....	1	2	1	.....	3	1	.....
		Males..	6	.....	.....	.....	.....	.....	1	2	1	.....	2	.....	.....
		Fem...	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
123	Diseases of bladder	Totals.	135	14	16	9	15	15	9	7	13	10	12	4	12
		Males..	119	13	16	7	14	10	9	7	11	8	10	4	10
		Fem...	17	1	.....	2	1	5	.....	.....	2	2	2	.....	2
129	Uterine tumor	Totals.	27	2	5	4	.....	3	.....	3	4	1	2	2	1
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	27	2	5	4	.....	3	.....	3	4	1	2	2	1

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five					Ages by five-year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
8	...	...	...	...	8	...	...	1	1	...	4	2	2	1	6	6	2	9	6	12	12	..	108
5	...	...	...	...	5	...	...	...	1	...	1	1	1	...	2	3	1	6	5	3	10	..	
3	...	...	...	...	3	...	...	1	...	...	3	1	1	1	4	3	1	3	1	9	2	..	
31	6	1	2	1	41	12	6	4	8	10	2	8	13	8	11	13	15	15	26	14	9	..	
20	2	...	...	...	22	5	3	4	2	4	1	4	6	4	4	8	6	6	14	4	5	..	
11	4	1	2	1	19	7	3	...	6	6	1	4	7	4	7	5	9	9	12	10	4	..	
15	4	...	1	...	20	...	...	...	1	2	5	2	1	7	4	7	1	7	10	5	9	..	107, 109
8	3	...	1	...	12	...	...	...	...	1	2	1	1	3	3	3	1	6	7	3	4	..	
7	1	...	...	...	8	...	...	...	1	1	3	1	...	4	1	4	...	1	3	2	5	..	
...	...	...	...	...	...	...	...	2	...	...	1	...	1	...	1	...	...	2	1	...	...	..	110
...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	...	...	...	1	...	...	..	
...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	2	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	..	111
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	..	
2	1	...	...	...	3	...	1	2	3	6	8	13	19	18	22	29	37	42	27	16	8	..	112
1	1	...	...	...	2	...	1	1	3	3	5	6	12	13	15	18	25	22	14	12	5	..	
1	...	...	...	...	1	...	...	1	...	3	3	7	7	5	7	11	12	20	13	4	3	..	
...	1	...	...	...	1	...	...	...	...	...	4	3	9	6	2	8	9	5	11	4	2	..	113
...	1	...	...	...	1	...	...	...	...	...	2	...	1	2	1	3	3	2	2	1	1	..	
...	...	...	...	...	...	...	...	...	...	...	2	3	8	4	1	5	6	3	9	3	1	..	
10	4	1	...	...	15	3	2	4	...	3	7	8	7	12	12	13	18	23	19	22	28	..	114
3	2	1	...	...	6	2	2	3	...	2	5	3	2	8	8	5	10	10	11	11	7	..	
7	2	...	...	...	9	1	...	1	...	1	2	5	5	4	4	8	8	13	8	11	21	..	
...	...	...	...	...	...	...	...	...	...	2	1	...	1	3	1	1	...	...	1	2	1	..	115
...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	1	1	...	...	...	1	1	..	
...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...	...	1	1	...	..	
19	3	1	4	3	30	17	19	23	33	35	32	26	19	10	13	9	11	11	7	9	...	..	116
13	1	...	1	2	17	10	11	4	7	9	5	9	4	7	5	3	7	9	3	7	...	..	
6	2	1	3	1	13	7	8	19	26	26	27	17	15	3	8	6	4	2	4	2	...	..	
1	...	1	2	3	7	36	38	39	38	27	24	17	11	6	10	8	3	4	4	3	3	..	118
1	...	...	1	1	3	21	20	27	27	18	16	14	7	5	7	5	2	1	3	3	2	..	
...	...	1	1	2	4	15	18	12	11	9	8	3	4	1	3	3	1	3	1	...	1	..	
...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	2	...	...	...	...	..	117
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	..	
17	1	4	4	1	27	12	9	4	9	4	4	8	7	6	5	7	7	7	6	6	6	..	119
9	1	3	3	1	17	6	5	3	2	2	1	3	5	4	1	3	3	3	5	4	6	..	
8	...	1	1	...	10	6	4	1	7	2	3	5	2	2	4	4	4	4	1	2	...	..	
26	5	8	7	1	47	18	17	20	32	29	43	48	61	79	78	109	132	145	165	141	115	..	120
10	...	4	3	...	17	9	3	6	13	11	13	15	32	53	54	63	85	93	109	103	78	..	
16	5	4	4	1	30	9	14	14	19	18	30	33	29	26	24	46	47	52	56	38	37	..	
6	1	...	...	...	7	...	...	2	4	2	4	2	2	2	7	3	2	5	9	8	14	..	121
4	1	...	...	...	5	...	...	1	2	2	2	1	...	1	3	1	2	4	7	6	9	..	
2	...	...	...	...	2	...	...	1	2	...	2	1	2	1	4	2	...	1	2	2	5	..	
...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	1	1	1	3	...	..	122
...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	1	1	2	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	..	
6	...	...	...	...	6	...	...	1	1	...	...	1	1	3	5	4	9	16	22	25	42	..	123
3	...	...	...	...	3	...	...	...	...	...	...	...	1	2	5	4	7	14	21	22	40	..	
3	...	...	...	...	3	...	...	1	1	...	...	1	...	1	...	...	2	2	1	3	2	..	
...	...	...	...	...	...	...	1	...	...	...	2	4	4	5	4	1	...	4	2	...	...	..	129
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	1	...	...	...	2	4	4	5	4	1	...	4	2	...	...	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
127-128, 130	Other diseases of uterus	Totals.	58	9	4	5	9	4	3	5	1	3	6	5	4
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	58	9	4	5	9	4	3	5	1	3	6	5	4
131	Ovarian tumor	Totals.	29	2	3	2	3	6	.....	1	2	2	5	1	2
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	29	2	3	2	3	6	.....	1	2	2	5	1	2
124-126, 132, 133	Diseases of tubes	Totals.	11	.....	.....	2	3	.....	2	.....	2	.....	2	.....	.....
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	11	.....	.....	2	3	.....	2	.....	2	.....	2	.....	.....
	Other diseases of geni-to-urinary system	Totals.	124	7	10	8	12	9	6	16	10	11	9	12	14
		Males..	94	5	8	7	10	5	4	12	6	10	7	9	11
		Fem...	30	2	2	1	2	4	2	4	4	1	2	3	3
137	Puerperal septicemia	Totals.	192	19	19	23	21	16	14	16	16	13	14	12	9
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	192	19	19	23	21	16	14	16	16	13	14	12	9
138	Puerperal convulsions	Totals.	87	3	6	7	13	13	6	12	9	3	6	2	7
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	87	3	6	7	13	13	6	12	9	3	6	2	7
134-136, 139-141	Other causes incident to childbirth	Totals.	148	11	15	12	16	10	13	10	9	11	8	16	17
		Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	148	11	15	12	16	10	13	10	9	11	8	16	17
142	Gangrene	Totals.	112	8	11	8	17	12	9	7	9	5	7	10	9
		Males..	60	5	6	6	6	7	5	5	8	2	3	3	4
		Fem...	52	3	5	2	11	5	4	2	1	3	4	7	5
143	Carbuncle	Totals.	12	.....	2	1	2	2	1	1	.....	1	.....	2	.....
		Males..	10	.....	1	1	2	2	1	1	.....	.....	.....	2	.....
		Fem...	2	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
144	Abscess	Totals.	38	5	3	3	5	4	3	3	2	3	2	5	.....
		Males..	21	3	1	2	4	2	3	1	1	1	.....	3	.....
		Fem...	17	2	2	1	1	2	.....	2	1	2	2	2	.....
145	Other diseases of skin	Totals.	28	1	2	2	5	3	2	2	4	2	.....	2	3
		Males..	14	.....	1	1	3	2	2	1	1	2	.....	.....	1
		Fem...	14	1	1	1	2	1	.....	1	3	.....	.....	2	2
146	Diseases of bones	Totals.	37	4	2	3	4	1	5	5	1	1	3	2	6
		Males..	26	2	1	3	3	1	3	1	1	1	3	1	6
		Fem ..	11	2	1	.....	1	.....	2	4	.....	.....	.....	1	.....
147	Diseases of joints	Totals.	8	2	1	1	.....	1	1	.....	1	1	.....	.....	.....
		Males..	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	6	2	.....	.....	.....	1	1	.....	1	1	.....	.....	.....
148, 149	Other diseases of loco-motor system	Totals.	3	.....	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....
		Males..	2	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....
		Fem...	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	Hydrocephalus	Totals.	32	1	2	2	5	1	1	2	2	6	6	3	1
		Males..	16	.....	.....	.....	3	.....	1	2	1	5	1	2	1
		Fem...	16	1	2	2	2	1	.....	.....	1	1	5	1	.....
	Congenital malforma-tion of heart (cyan-osis)	Totals.	116	13	15	7	6	9	5	9	11	10	11	13	7
		Males..	70	7	8	5	4	6	3	7	7	7	6	5	5
		Fem...	46	6	7	2	2	3	2	2	4	3	5	8	2
	Other congenital malformations	Totals.	181	13	26	18	16	17	11	13	10	18	11	13	15
		Males..	99	7	17	11	10	5	6	6	6	12	4	8	7
		Fem..	82	6	9	7	6	12	5	7	4	6	7	5	8

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																	Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
							1	5	12	4	9	4	5	9	5	1	2			1			127–128, 130
							1	5	12	4	9	4	5	9	5	1	2			1			
								1		5	3		3	3	3	1	2	3	2	2	1		131
								1		5	3		3	3	3	1	2	3	2	2	1		
								1	3	2	4	1											124, 126, 132, 133
								1	3	2	4	1											
1					1			3	5	7	8	2	3	3	3	2	7	16	15	21	28		
1					1				1	1			1	1	3	1	7	16	14	20	28		
								3	4	6	8	2	2	2		1			1	1			
								17	51	42	38	32	12										137
								17	51	42	38	32	12										
								13	26	14	12	14	7	1									138
								13	26	14	12	14	7	1									
								6	22	26	34	38	18	3		1							134–136, 139–141
								6	22	26	34	38	18	3		1							
3		1			4	1		1	1	1	2		1	3	1	1	4	13	25	16	38		142
1					1	1				1	1			2	1	1	1	5	13	9	24		
2		1			3			1	1		1		1	1			3	8	12	7	14		
1					1										2	2	2	3	1		1		143
															2	1	2	3	1		1		
1					1											1							
7		1			8	2		4	3	1	1	3	2	2	1	1	1		1	3	5		144
4		1			5			1	2	1		2		1	1	1	1			3	3		
3					3	2		3	1		1	1	2	1					1		2		
19	1				20	1		1			1							1		2	2		145
8	1				9			1										1		2	1		
11					11	1					1										1		
10	5	1		1	17	4	1	1	2	1		1	1		2	2	1		3			1	146
8	3	1		1	13	3	1	1		1					2	1	1		2			1	
2	2				4	1			2			1	1			1			1				
			1		1								1	1			3	1		1			147
			1		1								1										
														1			3	1		1			
							1	1		1													148, 149
								1		1													
							1																
24	4	2			30	2																	150
10	3	2			15	1																	
14	1				15	1																	
109	4	2	1		116																		
64	3	2	1		70																		
45	1				46																		
179	2				181																		
97	2				99																		
82					82																		

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
151, 152, 153	Premature birth	Totals.	542	29	42	54	45	38	52	53	49	39	42	44	55
		Males.	294	15	28	29	18	26	26	31	27	23	24	23	24
		Fem.	248	14	14	25	27	12	26	22	22	16	18	21	31
	Congenital debility	Totals.	856	61	62	66	77	67	71	75	94	79	67	62	75
		Males.	520	30	40	35	41	39	44	49	57	50	45	37	53
		Fem.	336	31	22	31	36	28	27	26	37	29	22	25	22
154	Old age	Totals.	1,038	112	92	100	90	81	64	71	90	78	72	82	106
		Males.	526	61	52	48	43	50	28	36	50	36	36	33	53
		Fem.	512	51	40	52	47	31	36	35	40	42	36	49	53
155	Suicide by poison	Totals.	68	5	3	5	3	9	7	9	5	3	11	4	4
		Males.	40	2	1	4	.....	6	4	8	2	1	7	3	2
		Fem.	28	3	2	1	3	3	3	1	3	2	4	1	2
156	Suicide by asphyxia	Totals.	4	.....	.....	.....	1	1	1	.....	1	.....	.....	.....	.....
		Males.	2	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
		Fem.	2	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
157	Suicide by hanging	Totals.	49	5	4	4	6	4	1	6	6	3	5	3	2
		Males.	42	5	3	3	6	4	1	5	5	3	5	1	1
		Fem.	7	.....	1	1	.....	.....	.....	1	1	.....	.....	2	1
158	Suicide by drowning	Totals.	22	1	.....	2	3	5	3	1	1	3	3	.....	.....
		Males.	12	.....	.....	1	.....	4	1	1	.....	3	2	.....	.....
		Fem.	10	1	.....	1	3	1	2	.....	1	.....	1	.....	.....
159	Suicide by firearms	Totals.	68	9	3	9	2	3	8	8	7	3	5	6	5
		Males.	63	9	3	9	1	2	8	7	7	3	3	6	5
		Fem.	5	.....	.....	.....	1	1	.....	1	.....	.....	2	.....	.....
160	Suicide by cutting instruments	Totals.	21	1	1	3	2	2	2	2	2	.....	2	2	2
		Males.	16	1	1	3	1	1	.....	2	2	.....	1	2	2
		Fem.	5	.....	.....	.....	1	1	2	.....	.....	.....	1	.....	.....
163	Suicide by other or unspecified means	Totals.	14	1	.....	1	.....	2	3	1	2	1	1	.....	2
		Males.	9	1	.....	1	.....	1	3	1	1	.....	.....	.....	1
		Fem.	5	.....	.....	.....	.....	1	.....	.....	1	1	1	.....	1
164, 165	Fractures and dislocations	Totals.	256	21	20	17	9	22	19	30	21	14	24	29	30
		Males.	172	17	13	10	7	15	16	22	16	9	16	17	14
		Fem.	84	4	7	7	2	7	3	8	5	5	8	12	16
167	Burns and scalds	Totals.	156	10	13	9	12	13	9	14	11	17	11	20	17
		Males.	76	4	5	3	2	7	5	8	5	10	6	10	11
		Fem.	80	6	8	6	10	6	4	6	6	7	5	10	6
169	Heat and sunstroke	Totals.	17	.....	.....	.....	.....	.....	1	12	2	2	.....	.....	.....
		Males.	13	.....	.....	.....	.....	.....	.....	10	1	2	.....	.....	.....
		Fem.	4	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....	.....
170	Cold and freezing	Totals.	11	3	3	1	1	.....	.....	.....	.....	.....	.....	.....	3
		Males.	10	3	2	1	1	.....	.....	.....	.....	.....	.....	.....	3
		Fem.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(171)	Lightning	Totals.	28	.....	.....	.....	.....	6	2	10	8	.....	1	1	.....
		Males.	24	.....	.....	.....	.....	6	2	8	6	.....	1	1	.....
		Fem.	4	.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....	.....
172	Drowning	Totals.	254	2	6	13	22	28	24	66	30	25	21	16	1
		Males.	223	2	5	13	18	26	21	57	26	22	17	15	1
		Fem.	31	.....	1	.....	4	2	3	9	4	3	4	1	.....
174	Inhalation of poisonous gases	Totals.	20	1	5	.....	.....	1	.....	3	.....	3	3	3	1
		Males.	12	.....	4	.....	.....	.....	.....	2	.....	3	1	2	.....
		Fem.	8	1	1	.....	.....	1	.....	1	.....	.....	2	1	1

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
542	....	....	....	....	542	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	151
294	....	....	....	....	294	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
248	....	....	....	....	248	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
856	....	....	....	....	856	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	(151)
520	....	....	....	....	520	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	152,
336	....	....	....	....	336	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	153
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46	101	191	699	1	154
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18	50	95	363	..	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	28	51	96	336	1	
....	....	....	....	....	....	....	2	3	7	7	9	11	6	4	4	6	2	1	1	2	2	1	155
....	....	....	....	....	....	....	....	....	....	3	4	8	3	3	4	6	2	1	1	2	2	1	
....	....	....	....	....	....	....	2	3	7	4	5	3	3	1	....	....	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	1	....	....	....	....	....	....	..	156
....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	....	1	4	2	3	4	4	3	7	5	5	3	3	4	1	157
....	....	....	....	....	....	....	....	....	1	3	2	2	2	4	3	5	4	5	3	3	4	1	
....	....	....	....	....	....	....	....	....	....	1	....	1	2	....	....	2	1	....	....	....	....	..	
....	....	....	....	....	....	....	....	....	3	4	....	2	2	1	....	1	....	2	2	3	2	..	158
....	....	....	....	....	....	....	....	....	1	2	....	2	1	....	....	....	....	....	1	3	2	..	
....	....	....	....	....	....	....	....	....	2	2	....	....	1	1	....	1	....	2	1	....	....	..	
....	....	....	....	....	....	....	....	3	9	7	12	3	3	8	6	6	4	4	2	1	....	..	159
....	....	....	....	....	....	....	....	2	8	6	12	3	2	8	6	5	4	4	2	1	....	..	
....	....	....	....	....	....	....	....	1	1	1	....	....	1	....	....	1	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	1	....	1	2	5	3	2	3	....	....	1	2	....	1	..	160
....	....	....	....	....	....	....	....	....	....	1	1	5	2	1	2	....	....	1	2	....	1	..	
....	....	....	....	....	....	....	....	1	....	....	1	....	1	1	1	....	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	....	....	3	2	1	3	1	1	....	1	....	1	....	....	1	163
....	....	....	....	....	....	....	....	....	....	3	1	....	1	1	....	....	1	....	1	....	....	1	
....	....	....	....	....	....	....	....	....	....	....	1	1	2	....	1	....	....	....	....	....	....	..	
1	1	....	....	1	3	5	5	9	13	15	15	14	13	15	17	16	8	15	15	20	56	2	164,
....	....	....	....	1	1	4	4	7	12	15	14	13	13	15	15	14	6	8	6	6	17	2	165
1	1	....	....	....	2	1	1	2	1	....	1	1	....	....	2	2	2	7	9	14	39	..	
5	27	25	8	8	73	16	4	2	1	8	7	3	3	6	3	5	7	9	3	1	4	1	167
3	13	10	3	3	32	5	1	1	....	6	3	2	3	4	1	5	4	5	3	....	....	1	
2	14	15	5	5	41	11	3	1	1	2	4	1	....	2	2	....	3	4	....	1	4	..	
1	....	....	....	....	1	....	....	....	....	1	....	3	1	2	2	1	1	....	3	2	....	..	169
....	....	....	....	....	....	....	....	....	....	1	....	3	1	2	1	1	1	....	1	2	....	..	
1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	2	....	....	..	
1	....	....	....	....	1	....	....	....	....	1	1	....	2	....	2	....	....	1	....	1	2	..	170
1	....	....	....	....	1	....	....	....	....	1	1	....	2	....	2	....	....	1	....	1	1	..	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..	
....	....	....	....	....	....	....	4	5	....	2	5	7	1	1	1	....	....	2	....	....	....	..	(171)
....	....	....	....	....	....	....	3	4	....	2	5	6	....	1	1	....	....	2	....	....	....	..	
....	....	....	....	....	....	....	1	1	....	....	....	1	1	....	....	....	....	....	....	....	....	..	
4	7	4	3	3	21	27	29	34	30	22	8	11	23	9	7	4	6	1	7	5	1	9	172
3	4	2	1	3	13	25	27	32	25	19	7	11	21	7	7	4	6	1	6	4	....	8	
1	3	2	2	....	8	2	2	2	5	3	1	....	2	2	....	....	....	....	1	1	1	1	
1	....	....	....	....	1	....	1	....	3	1	....	1	4	2	....	1	....	2	1	1	2	..	174
1	....	....	....	....	1	....	1	....	1	1	....	1	2	1	....	....	....	2	1	....	1	..	
....	....	....	....	....	....	....	....	....	2	....	....	....	2	1	....	1	....	....	....	1	1	..	

Table III.—Concluded.—Causes of death in Michigan, by months.

Classification No.	Cause of death, 1903.	Sex.	Total deaths, 1903.	Months of death, 1903.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
175	Other accidental poisonings	Totals.	125	12	11	5	3	15	10	14	15	11	10	10	9
		Males.	71	7	6	4	2	7	8	7	9	8	4	5	4
		Fem.	54	5	5	1	1	8	2	7	6	3	6	5	5
166	Accidental gunshot wounds	Totals.	117	7	6	14	7	8	5	8	9	9	17	19	8
		Males.	101	7	4	11	6	6	5	8	8	7	14	18	7
		Fem.	16	.....	2	3	1	2	.....	.....	1	2	3	1	1
	Injuries by machinery	Totals.	37	3	3	4	6	3	3	4	3	3	3	2	.....
		Males.	35	3	3	4	6	2	3	4	2	3	3	2	.....
		Fem.	2	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....
	Injuries in mines and quarries	Totals.	92	8	7	3	9	4	5	5	19	7	6	7	12
		Males.	92	8	7	3	9	4	5	5	19	7	6	7	12
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Railroad accidents and injuries	Totals.	311	13	12	16	19	37	19	19	58	27	20	26	45
		Males.	290	12	11	15	19	34	15	17	57	26	19	23	42
		Fem.	21	1	1	1	.....	3	4	2	1	1	1	3	3
	Injuries by vehicles and horses	Totals.	62	1	3	3	1	6	9	8	10	2	8	5	6
		Males.	54	1	3	3	1	4	9	7	9	2	6	4	5
		Fem.	8	.....	.....	.....	.....	2	.....	1	1	.....	2	1	1
	Injuries by electric cars	Totals.	51	2	3	3	4	3	7	6	7	4	8	.....	4
		Males.	42	2	3	3	2	3	7	5	5	3	6	.....	3
		Fem.	9	.....	.....	.....	2	.....	.....	1	2	1	2	.....	1
	Other accidental injuries	Totals.	426	38	34	37	33	37	29	32	33	37	45	37	34
		Males.	335	30	23	31	22	31	24	23	31	31	35	29	25
		Fem.	91	8	11	6	11	6	5	9	2	6	10	8	9
176	Suffocation	Totals.	54	2	4	5	7	8	4	6	1	.....	4	5	8
		Males.	34	2	.....	4	6	5	1	4	.....	.....	3	3	6
		Fem.	20	.....	4	1	1	3	3	2	1	.....	1	2	2
	Injuries at birth	Totals.	88	8	7	10	5	8	8	11	9	5	4	3	10
		Males.	50	4	5	5	3	6	8	5	5	1	3	.....	5
		Fem.	38	4	2	5	2	2	.....	6	4	4	1	3	5
(176)	Homicide	Totals.	30	2	.....	4	2	3	2	1	3	1	1	7	4
		Males.	18	1	.....	3	.....	3	1	1	3	1	1	2	2
		Fem.	12	1	.....	1	2	.....	1	.....	.....	.....	.....	5	2
177	"Dropsy"	Totals.	153	21	24	15	6	10	8	7	10	12	12	13	15
		Males.	61	6	7	6	1	5	4	6	7	7	3	5	4
		Fem.	92	15	17	9	5	5	4	1	3	5	9	8	11
178,	"Heart failure"	Totals.	123	10	17	15	12	13	7	7	7	9	6	7	13
		Males.	72	6	9	7	8	10	3	4	4	4	5	3	9
		Fem.	51	4	8	8	4	3	4	3	3	5	1	4	4
	Other ill-defined diseases	Totals.	264	17	20	27	21	15	24	15	18	24	32	23	28
		Males.	140	10	9	12	12	8	15	9	8	13	17	12	15
		Fem.	124	7	11	15	9	7	9	6	10	11	15	11	13
	Unknown (or unspecified)	Totals.	284	28	19	29	29	27	18	21	18	28	17	17	33
		Males.	171	16	13	17	18	17	7	14	15	17	11	4	22
		Fem.	113	12	6	12	11	10	11	7	3	11	6	13	11

ages and sex, during the year 1903. (Stillbirths excluded.)

Ages in years under five.					Ages by five-year periods.																		Classification No.
0.	1.	2.	3.	4	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79	80 +	Unknown.	
11	7	9	3	3	33	4	1	7	8	6	7	7	9	4	6	4	7	6	8	5	2	1	
7	4	5	1	3	20	2	....	2	3	1	3	5	6	1	5	3	4	3	6	4	2	1	175
4	3	4	2	...	13	2	1	5	5	5	4	2	3	3	1	1	3	3	2	1	....	..	
2	....	...	2	3	7	8	22	22	16	10	7	4	6	6	3	3	2	....	1	....	....	..	
1	....	...	1	2	4	8	19	20	12	8	7	4	5	5	3	3	2	....	1	....	....	..	
1	....	...	1	1	3	....	3	2	4	2	....	....	1	1	....	....	....	....	....	....	....	..	
....	....	1	...	1	2	1	1	6	6	2	3	2	4	2	5	2	....	....	....	....	....	1	
....	....	1	...	...	1	1	1	6	6	1	3	2	4	2	5	2	....	....	....	....	....	1	
....	....	...	...	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	..	
....	....	...	...	...	....	....	....	5	24	27	11	6	10	4	3	2	....	....	....	....	....	..	
....	....	...	...	...	....	....	....	5	24	27	11	6	10	4	3	2	....	....	....	....	....	..	
....	....	...	...	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	166
3	3	1	3	...	10	6	12	15	33	42	30	45	30	12	17	14	7	8	9	9	3	9	
2	1	1	2	...	6	5	10	15	31	40	28	45	28	12	16	14	6	6	8	8	3	9	
1	2	...	1	...	4	1	2	....	2	2	2	....	2	....	1	....	1	2	1	1	....	..	
....	1	...	2	...	3	9	4	1	1	....	1	4	2	3	5	2	7	7	7	2	3	1	
....	....	...	2	...	2	7	4	....	1	....	1	4	1	2	5	2	6	6	7	2	3	1	
....	1	...	...	...	1	2	....	1	....	....	....	....	1	1	....	....	1	1	....	....	....	..	
....	1	1	...	...	2	6	3	3	5	3	2	1	4	4	1	6	2	1	2	3	3	..	
....	....	...	...	...	....	4	2	3	5	3	2	1	4	4	1	4	2	1	2	2	2	..	
....	1	1	...	...	2	2	1	....	....	....	....	....	....	....	....	2	....	....	....	1	1	..	
16	4	4	5	1	30	13	16	27	32	29	23	25	24	27	28	18	15	20	25	21	52	1	(166)
11	3	2	5	1	22	9	12	26	28	29	21	23	21	23	25	15	9	17	18	11	25	1	168.
5	1	2	...	...	8	4	4	1	4	....	2	2	3	4	3	3	6	3	7	10	27	..	(171)
																							(176)
32	1	1	1	1	36	1	3	....	2	2	....	1	1	1	1	1	1	2	1	....	1	..	
20	....	1	...	1	22	....	2	....	....	2	....	....	1	1	1	1	....	2	1	....	1	..	
12	1	...	1	...	14	1	1	....	2	....	....	1	....	....	....	....	1	....	....	....	....	..	176
88	....	...	...	...	88	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
50	....	...	...	...	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
38	....	...	...	...	38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
2	2	...	...	1	5	....	....	1	2	9	1	5	3	1	....	2	1	....	....	....	....	..	
1	1	...	...	1	3	....	....	....	1	7	1	3	1	1	....	....	1	....	....	....	....	..	(176)
1	1	...	...	...	2	....	....	1	1	2	....	2	2	....	....	2	....	....	....	....	....	..	
5	3	1	...	...	9	3	....	2	....	1	2	3	4	6	9	5	9	26	21	19	34	..	
2	1	1	...	...	4	....	....	2	....	....	2	....	2	1	1	3	2	6	11	8	19	..	177
3	2	...	...	...	5	3	....	....	....	1	....	3	2	5	8	2	7	20	10	11	15	..	
23	1	1	...	...	25	1	....	....	2	2	1	3	5	5	5	5	8	7	13	15	24	2	
16	....	...	...	...	16	....	....	....	1	....	1	2	2	2	3	5	3	3	10	9	13	2	
7	1	1	...	...	9	1	....	....	1	2	....	1	3	3	2	....	5	4	3	6	11	..	
64	10	2	1	1	78	3	3	5	4	7	6	5	8	6	7	7	25	10	14	22	54	..	
35	5	...	...	...	40	2	....	2	4	2	3	....	1	2	4	6	10	5	13	18	28	..	178
29	5	2	1	1	38	1	3	3	....	5	3	5	7	4	3	1	15	5	1	4	26	..	179
184	8	2	3	...	197	4	1	4	7	1	1	4	12	1	5	1	6	4	7	14	13	2	
114	6	2	3	...	125	3	1	1	3	....	1	2	9	1	4	1	....	2	2	8	6	2	
70	2	...	...	...	72	1	....	3	4	1	....	2	3	....	1	....	6	2	5	6	7	..	

Table IV.—Causes of death in Michigan, by counties,

Classification No.	Causes of death, 1903.	State.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
			Counties—Alcona															
	ALL CAUSES	33,176	57	81	462	229	184	83	54	259	779	143	603	367	778	276	207	195
	I. General Diseases.																	
	(*A. Epidemic diseases.*)																	
1	Typhoid fever	577	1	..	6	4	8	..	1	3	19	4	9	2	10	5	5	....
	Typho-malarial fever	29	1	..	1	1	....	1	..	....	1	1	2	....	....	....	1	1
4	Malarial fever	61	..	..	2	1	....	..	..	....	2	....	2	3	3	....	....	....
5	Smallpox	29	..	..	....	....	....	..	..	....	....	....	....	1	....	....	....	....
6	Measles	176	..	1	4	....	2	..	..	....	27	....	6	2	....	....	1	....
7	Scarlet fever	200	..	..	1	1	....	1	..	1	....	2	1	....	2	3	....	....
8	Whooping cough	383	1	11	6	10	2	3	1	2	9	2	1	2	9	2	2	3
9	Diphtheria	567	..	1	5	4	....	1	1	2	23	2	9	8	14	5	2	6
	Croup	39	1	..	....	....	....	..	..	....	1	2	....	....	....	....	1	1
	Membranous croup	80	..	..	....	....	....	..	..	....	2	....	1	2	2	....	....	1
10	Influenza	480	1	..	6	2	5	..	..	6	4	2	13	10	20	5	....	1
13	Cholera nostras	32	..	1	....	1	....	..	2	....	....	1	....	....	1	....	....	1
14	Dysentery	135	..	..	5	....	2	..	..	1	2	1	1	3	3	....	2	....
18	Erysipelas	103	..	..	1	2	1	1	..	2	3	1	1	....	2	1	....	....
19	Chicken pox	6	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
	German measles	2	..	..	....	....	....	..	..	....	....	....	....	....	....	....	1	....
	Mumps	3	..	..	....	....	....	..	..	1	....	....	....	....	....	....	....	....
	Other epidemic diseases	1	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
	(*B. Other General Diseases.*)																	
20	Septicemia	151	..	..	3	1	3	..	..	2	7	....	2	....	2	3	....	2
27	Tuberculosis of lungs	2,155	6	8	25	15	11	6	4	16	54	17	33	22	42	14	18	13
26	Tuberculosis of larynx	29	..	..	1	....	....	1	..	....	3	....	....	1	....	....	....	1
28	Tuberculous meningitis	114	..	..	1	....	....	..	..	1	1	1	2	1	....	2	1	....
29	Abdominal tuberculosis	115	2	.	3	..	....	..	..	1	3	....	3	1	3	1	1	1
30	Pott's disease	30	.	.	..	1	1	..	..	....	....	1	....	....	....	....	....	....
31	Tuberculous abscess	3	.	.	..	.	....	..	..	....	....	....	....	....	....	....	....	....
32	White swelling	21	.	.	..	.	....	..	..	....	....	....	....	....	....	....	1	....
33	Tuberculosis of other organs	34	.	.	1		....	..	1	1	....	....	3	1	2	....	....	....
34	General tuberculosis	47	.	.	1		1	..	..	....	....	....	2	....	....	....	....	....
35	Scrofula	14	.	.	..		....	..	..	....	....	....	....	....	1	....	....	....
36–38	Venereal diseases	130	1	1	1		2	..	..	1	....	....	....	2	2	1	2	....
39	Cancer of mouth	51	.	.	..		....	..	..	1	1	....	1	1	....	....	....	....

during the year 1903. (Stillbirths excluded.)

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
343	100	310	50	313	260	420	243	613	58	285	300	351	395	851	369	503	414	122	97	234	619	770	115	1871	45	
18	....	3	2	7	5	9	6	14	1	....	3	9	4	13	1	21	11	2	2	7	11	15	2	48	..	1
....	1	1	..	....	....	1	....	1	..	....	....	....	2	....	....	1	....	1	....	....	....	1	....	2	..	
....	....	2	..	1	....	1	1	1	..	....	....	2	3	....	1	....	2	2	..	1	....	2	....	3	..	4
....	....	2	..	1	....	....	....	....	..	....	....	....	1	1	2	....	....	1	..	....	....	....	....	1	..	5
1	....	....	2	....	2	1	5	6	..	2	1	1	3	4	1	....	1	....	1	....	2	2	....	7	..	6
4	....	....	..	2	5	1	....	1	..	1	4	1	1	13	9	2	1	2	..	1	....	4	....	5	..	7
6	....	2	..	6	5	2	8	5	..	3	2	3	1	23	9	3	3	4	..	1	7	5	....	13	..	8
3	1	1	..	11	1	2	....	10	1	18	2	....	2	14	10	8	1	....	1	4	5	2	3	5	..	9
....	....	....	..	3	....	....	....	....	..	1	....	....	1	2	1	....	....	1	..	....	....	....	....	1	..	
2	....	1	..	2	....	....	1	1	..	1	....	1	....	3	....	....	1	....	..	....	1	....	....	17	..	
....	1	10	..	2	....	19	3	6	..	2	2	4	10	4	6	11	6	2	1	2	9	11	1	27	..	10
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	1	....	....	....	..	1	3	1	....	1	..	13
1	2	2	..	1	2	1	2	7	..	3	1	1	1	4	1	1	1	1	..	3	5	5	2	3	..	14
1	1	1	..	1	1	2	....	2	..	....	2	2	2	2	....	4	2	1	1	....	1	3	....	9	..	18
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	1	....	....	1	....	..	19
....	....	....	..	....	....	....	....	....	..	....	....	....	....	1	....	....	....	....	..	....	....	....	....	....	..	
....	....	1	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	1	..	
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	
8	....	2	..	3	1	3	1	5	..	....	1	4	2	1	4	....	....	....	..	2	3	7	1	5	..	20
19	9	18	1	27	11	27	15	34	3	25	22	36	25	70	24	36	24	12	1	12	36	36	5	151	2	27
....	....	1	..	....	....	1	....	1	..	....	....	....	....	....	1	1	....	1	1	....	1	1	1	2	..	26
....	....	....	..	....	2	....	....	....	..	2	2	2	1	13	1	3	2	....	..	4	6	2	....	9	..	28
2	....	....	..	1	1	....	1	1	1	....	1	....	2	4	1	1	2	....	..	....	4	3	1	8	..	29
2	....	....	..	....	1	....	1	....	..	....	....	1	1	2	....	....	1	....	..	....	....	1	1	2	..	30
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	31
....	....	....	..	....	....	1	....	....	..	2	1	....	1	1	....	....	....	....	..	....	....	1	....	3	..	32
....	1	....	..	....	1	1	1	1	..	....	1	....	1	1	....	....	....	....	..	1	1	....	....	....	..	33
....	....	....	..	1	....	1	....	2	..	....	....	....	....	2	....	2	1	....	..	....	....	1	....	7	..	34
....	1	....	..	....	....	....	....	....	..	....	1	....	....	....	....	....	1	....	..	....	....	1	....	....	..	35
....	....	....	..	....	2	....	2	3	1	....	....	1	....	....	....	3	....	....	..	1	....	2	....	4	..	36–38
1	....	1	..	....	....	1	....	....	..	....	....	....	1	3	....	....	....	....	..	....	....	1	1	3	..	39

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	State.	Counties—Alcona.																
			Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
40	Cancer of stomach and liver...	687	1	1	12	1	....	2	1	5	12	1	13	7	12	11	4	2
41	Cancer of intestines.....	163	..	..	1	....	....	..	..	2	3	....	4	1	6	....	....	1
42	Cancer of genital organs.....	235	..	..	2	1	2	1	..	4	3	1	2	2	5	....	1	1
43	Cancer of breast.....	125	..	..	1	1	....	..	..	....	1	1	4	2	3	....	....	....
44	Cancer of skin.....	91	..	..	3	....	1	..	..	1	1	....	2	....	....	1	....	1
45	Cancer of other organs.....	348	1	..	6	1	2	..	..	2	15	....	6	9	17	4	1	2
46	Tumors.....	56	..	..	....	....	....	..	..	....	3	....	1	....	1	2	1	....
47,48	Rheumatism.....	236	1	1	10	....	1	1	..	3	5	....	11	6	2	5	3	1
50	Diabetes.....	265	1	..	6	1	1	..	1	7	5	1	6	2	13	2	3	....
53-54	Anemia.....	230	..	..	5	2	4	1	..	4	2	....	4	5	8	1	1	3
56	Alcoholism.....	102	..	..	....	....	1	..	..	....	2	1	4	1	3	1	....	1
57-59	Chronic poisonings.....	20	..	..	....	....	....	..	..	1	....	....	1	....	1	....	....	....
55, etc.	Other general diseases.....	67	..	..	1	....	....	1	..	....	1	1	1	3	2	....	1	....
	II. Diseases of Nervous System.																	
60	Encephalitis.....	60	..	..	2	....	....	..	..	1	1	....	1	2	2	1	....	....
61	Meningitis.....	382	..	1	1	....	3	..	1	6	7	....	6	5	8	1	....	4
62	Locomotor ataxia.....	65	..	..	2	1	....	..	..	....	....	....	2	2	1	2	....	....
63	Other diseases of spinal cord..	123	..	..	1	....	....	1	..	1	1	....	3	....	4	....	....	....
64	Apoplexy.....	1,390	3	2	28	4	1	1	1	12	34	6	27	16	32	12	10	4
65	Softening of brain.....	88	..	..	2	1	1	1	..	....	1	....	1	....	1	3	2	...
66	Paralysis.....	843	1	1	13	10	5	3	..	14	18	2	27	12	33	21	3	7
67	General paralysis of insane....	138	..	1	3	....	....	1	..	....	2	....	2	....	....	2	....	....
68	Other forms of mental disease.	95	..	..	....	....	....	..	..	....	....	....	2	....	....	....	....	....
(74)	Other diseases of the brain....	58	..	..	....	1	....	..	..	....	1	....	1	....	2	....	....	....
69	Epilepsy.....	144	..	1	2	1	2	..	..	....	....	....	3	1	4	....	1	1
70-71	Convulsions.....	483	1	1	2	5	2	2	1	1	3	....	11	3	3	3	1	1
72	Tetanus.....	58	..	..	1	1	....	1	..	....	2	....	1	1	1	1	....	....
73-76	Other diseases of nervous system.....	150	..	1	3	1	1	..	..	3	3	....	7	3	8	1	1	....
	III. Diseases of Circulatory System.																	
77	Pericarditis.....	54	..	..	1	....	....	..	..	....	1	1	....	....	....	....	....	1
78	Endocarditis.....	154	..	..	....	....	....	..	..	....	3	1	....	2	3	....	2	....
79	Heart disease.....	3,297	2	1	41	13	12	9	3	38	60	12	60	66	92	33	15	18
80	Angina pectoris.....	217	..	..	6	....	1	..	..	3	1	3	6	4	6	1	....	3
81	Diseases of arteries.....	102	..	..	6	2	....	..	..	....	4	....	5	....	2	3	1	....
82	Embolism and thrombosis.....	48	..	..	2	....	....	..	..	3	1	....	....	....	....	....	....	....

by counties, during the year 1903. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
2	1	8	..	5	1	8	8	15	..	2	4	11	...	14	4	13	10	...	3	4	14	14	1	61	..	40
....	....	2	..	1	1	5	....	3	..	....	...	...	2	5	1	3	...	...	..	2	3	3	...	12	..	41
....	1	2	..	3	....	1	1	5	..	....	...	1	6	1	3	5	3	1	..	...	6	11	1	21	..	42
1	....	2	..	....	....	3	1	4	..	....	1	2	3	1	2	2	2	..	..	2	4	4	...	6	..	43
....	1	2	..	....	....	4	1	....	..	....	...	1	3	2	...	1	3	4	..	...	...	4	1	11	1	44
....	....	4	..	1	2	6	....	7	2	1	1	4	3	6	3	6	10	1	..	3	10	7	1	19	1	45
....	....	....	..	....	....	2	....	1	..	....	...	2	1	...	...	1	1	1	..	...	2	...	...	5	..	46
2	3	3	1	1	2	8	....	3	2	....	3	2	1	1	3	2	3	...	..	1	3	4	1	14	2	47,48
....	2	4	..	....	1	8	2	9	..	....	1	3	5	4	1	5	4	...	..	1	8	7	...	8	..	50
1	1	2	..	2	....	1	3	4	1	....	3	3	5	8	3	4	6	...	..	1	5	7	...	16	..	53-54
5	3	1	2	2	3	....	....	2	..	1	...	1	...	4	1	1	3	2	1	...	2	2	...	5	..	56
....	....	....	..	....	....	2	....	1	..	1	...	...	...	1	1	...	...	...	..	...	...	1	...	1	..	57-59
....	....	1	..	1	....	1	....	1	..	....	1	2	1	2	...	...	3	...	..	...	3	1	...	2	..	55, etc.
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	1	1	...	1	..	1	2	...	...	8	..	60
8	....	3	..	5	1	1	3	2	..	2	2	8	2	21	6	3	2	1	..	3	10	12	...	22	1	61
....	....	....	..	....	....	1	1	1	..	....	1	...	1	...	...	2	...	...	..	...	5	...	...	5	..	62
2	....	1	..	1	....	1	1	3	..	....	...	2	7	2	1	4	3	2	..	1	4	5	1	6	..	63
8	6	18	..	4	5	25	7	18	1	3	12	20	18	20	15	24	17	3	2	10	35	66	3	89	..	64
....	....	....	..	....	....	....	....	....	..	....	1	...	3	1	...	6	3	...	..	1	3	6	...	5	..	65
5	4	16	1	7	2	30	6	16	3	3	5	7	19	2	5	15	20	3	..	7	14	16	3	40	..	66
....	....	....	..	....	....	....	....	3	..	....	15	3	...	...	1	1	5	...	..	1	2	23	...	12	..	67
....	....	....	..	1	....	....	....	1	..	....	5	2	...	...	...	...	8	...	..	1	2	5	...	2	..	68
2	....	....	..	1	1	....	....	....	..	....	6	...	1	...	...	...	1	...	..	1	1	4	...	2	..	(74)
....	....	3	..	....	....	1	1	3	1	....	8	2	3	2	...	1	3	...	..	...	2	8	...	4	..	69
13	3	2	1	4	3	....	1	4	..	5	3	...	3	21	4	4	5	1	1	4	3	4	1	18	5	70-71
....	....	1	..	....	1	....	....	1	..	2	...	1	...	...	1	...	...	...	..	...	2	2	...	6	..	72
....	....	....	..	....	3	....	2	4	..	....	2	3	...	5	3	1	3	2	1	3	3	10	1	9	..	73-76
1	1	1	..	....	....	1	1	1	..	....	...	1	...	...	...	1	...	...	..	1	1	...	...	3	..	77
1	....	....	1	3	2	1	....	2	..	....	1	4	1	3	...	1	3	1	..	...	...	9	...	15	..	78
25	7	45	4	12	11	49	20	84	5	7	34	32	71	48	27	58	64	5	6	18	81	94	10	230	2	79
1	1	3	..	....	....	4	1	8	..	....	1	...	5	3	4	7	...	1	..	1	8	5	...	11	1	80
....	1	2	..	....	....	4	2	4	..	1	8	3	4	3	2	2	1	...	..	...	2	3	...	14	..	81
1	....	....	..	....	....	1	....	2	..	....	...	...	...	...	1	...	...	...	1	1	1	5	...	5	..	82

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	State.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
83	Diseases of veins	5	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
84	Diseases of lymphatics	3	..	..	....	....	....	..	..	....	....	....	....	....	1	....	....	....
85–86	Other diseases of circulatory system	49	..	..	....	....	....	..	..	....	1	....	....	....	....	1	1	1
	IV. Diseases of Respiratory System.																	
88	Laryngitis	14	..	..	....	....	....	..	..	....	....	1	....	....	....	1	....	....
	Other diseases of larynx	34	..	..	1	....	....	..	..	....	1	....	2	....	....	....	....	....
89	Diseases of thyroid body	7	..	..	....	....	....	..	..	....	....	....	....	....	1	....	....	....
90	Acute bronchitis	470	..	..	10	10	2	..	1	....	9	3	5	5	9	1	8	
91	Chronic bronchitis	331	..	..	6	3	3	..	..	2	6	....	5	1	11	....	1	
92	Bronchopneumonia	588	1	6	....	6	2	2	1	7	12	2	5	1	10	3	7	
93	Pneumonia	2,019	6	4	17	20	9	5	3	15	39	7	36	13	49	10	13	
94	Pleurisy	76	..	1	3	1	....	..	..	....	1	....	3	....	1	2	1	
95	Congestion of lungs	173	1	..	4	1	....	..	..	3	6	....	6	2	4	1	....	
96	Gangrene of lungs	7	..	..	....	1	....	..	..	....	....	....	....	....	....	....	....	
97,98	Asthma and emphysema	101	..	..	1	1	....	..	..	....	....	....	3	2	....	....	1	
87,99	Hemorrhage of lungs	35	..	..	1	2	....	..	..	....	1	....	1	....	....	....	....	
	Other diseases of respiratory system	93	1	..	2	....	1	..	1	....	7	....	3	1	2	....	....	
	V. Diseases of Digestive System.																	
100	Diseases of mouth	34	..	..	....	....	....	..	..	....	1	....	....	1	1	....	....	
101,102	Tonsilitis	26	..	..	....	....	....	..	..	....	....	1	....	1	....	....	1	
	Other diseases of pharynx	35	..	..	1	....	....	..	..	....	....	....	1	....	....	....	....	
103	Ulcer of stomach	77	..	..	....	1	....	1	..	2	....	....	1	3	....	....	....	....
104	Gastritis	198	..	..	3	2	3	..	..	....	8	....	4	4	4	1	....	
	Other diseases of stomach	268	1	..	7	1	1	1	..	1	8	....	12	3	9	1	1	
(314)	Dentition	8	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
105	Diarrhea and enteritis (under 2 years)	1,664	1	9	9	13	23	6	6	5	54	9	27	11	21	9	14	1
106	Diarrhea and enteritis (over 2 years)	451	..	2	10	1	6	..	1	4	9	2	6	9	19	7	7	
108	Hernia	72	..	..	3	....	....	..	..	1	2	....	3	1	....	....	1	....
	Obstructions of intestines	215	1	..	6	3	3	..	..	1	5	3	10	1	5	4	1	
107,109	Other diseases of intestines	81	..	..	2	....	....	..	..	....	2	1	3	1	....	....	....	....
110	Acute yellow atrophy of liver	2	..	..	....	....	....	1	..	1	....	....	....	....	....	....	....	....
111	Hydatid tumors of liver	2	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
112	Cirrhosis of liver	254	..	..	5	3	1	1	..	2	3	1	6	3	5	1	1	....

by counties, during the year 1903. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	83
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	1	....	....	..	84
....	1	....	..	2	....	....	....	2	1	....	....	2	....	....	1	....	....	....	1	....	1	1	....	5	..	85–86
....	....	....	..	....	....	....	1	2	..	....	....	1	....	2	....	1	1	....	..	....	1	....	....	1	..	88
....	....	....	..	1	....	1	....	....	..	....	....	....	....	4	1	....	....	....	1	1	....	1	....	....	..	
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	1	....	....	..	89
5	1	1	1	5	10	3	3	10	1	9	1	2	1	29	6	2	3	2	3	4	1	11	3	26	5	90
2	....	2	..	2	2	4	2	7	..	5	3	5	5	6	3	10	6	1	..	....	1	11	4	21	1	91
4	....	12	..	11	2	4	3	9	..	2	1	2	4	32	8	3	7	4	2	4	10	13	....	44	..	92
19	4	25	5	17	5	18	22	51	4	19	13	22	27	60	21	43	15	7	5	15	37	44	6	98	2	93
....	....	1	..	....	1	....	1	....	..	....	....	1	1	1	2	1	....	....	..	1	2	2	1	6	..	94
1	....	4	..	3	1	....	1	3	..	....	....	4	2	....	1	5	3	....	3	5	3	5	....	14	..	95
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	..	96
....	....	....	..	....	1	3	1	....	..	....	1	2	1	1	4	....	3	....	1	....	1	2	1	2	..	97–98
1	....	....	..	....	....	1	....	1	..	....	1	1	1	....	....	....	....	....	..	....	....	3	....	3	1	87
2	1	....	..	....	....	3	2	5	..	2	2	....	....	4	2	....	1	....	..	1	1	....	....	4	..	99
2	....	....	..	....	....	1	....	1	..	....	1	1	1	....	1	....	....	....	..	2	1	....	....	2	1	100
1	....	....	..	....	....	....	....	....	..	2	....	....	....	1	....	....	1	....	..	2	1	....	....	1	..	101, 102
....	1	....	1	2	1	....	1	....	..	....	....	....	....	1	....	1	....	....	..	1	1	....	....	....	..	
3	....	....	..	....	....	1	....	1	..	....	....	1	....	....	....	....	1	....	..	1	4	3	1	3	..	103
3	....	4	..	2	2	2	....	3	..	....	2	3	1	4	2	4	5	1	..	....	....	4	1	12	..	104
2	3	4	2	1	1	3	3	4	2	....	7	3	2	3	1	10	4	2	..	2	2	3	....	22	..	
....	....	....	..	2	....	....	....	....	..	....	1	....	....	....	....	....	....	....	..	....	....	....	....	....	..	(314)
32	3	8	3	26	39	10	11	9	6	32	12	7	7	70	28	8	13	6	9	8	16	14	10	80	9	105
4	2	5	1	2	2	6	5	5	..	2	5	4	4	8	4	5	5	2	1	3	11	7	3	20	1	106
....	....	1	..	1	....	....	....	....	..	....	....	....	1	3	2	....	3	....	..	1	....	2	....	3	..	108
....	....	1	..	....	....	1	2	4	2	3	5	4	3	5	....	3	5	1	..	1	4	6	2	11	..	
1	1	1	..	....	1	....	....	2	..	....	....	1	1	1	2	3	3	1	..	....	....	4	1	7	..	107, 109
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	1	..	110
....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	111
2	....	2	..	2	2	2	1	5	..	1	....	2	7	4	3	3	3	4	..	5	3	7	....	14	..	112

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
113	Biliary calculi	64	..	..	1	....	1	..	..	3	1	....	2	....	1	2	....	1
114	Other diseases of liver	196	..	..	3	3	....	..	1	1	3	2	7	5	5	2	....	....
115	Diseases of spleen	13	..	..	....	....	....	..	..	....	....	1	....	....	....	....	....	....
116	Peritonitis	304	..	..	5	2	1	..	1	6	6	....	3	2	9	1	3	1
118	Appendicitis	278	..	..	4	....	1	..	..	2	17	....	4	1	5	4	1	2
117	Other diseases of digestive system	4	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
	VI. Diseases of Genito-urinary System.																	
119	Acute nephritis	134	1	..	....	1	1	..	..	1	4	1	....	1	2	2	1	3
120	Bright's disease	1,279	1	2	19	8	3	7	..	10	22	4	25	12	50	16	7	6
121	Other diseases of kidneys	73	..	..	1	....	....	..	..	1	1	....	1	2	4	1	3	....
122	Calculi of urinary tract	8	..	..	1	....	1	..	..	....	....	....	....	....	....	....	....	....
123	Diseases of bladder	136	..	..	3	1	1	..	..	....	3	....	....	3	3	....	1	3
129	Uterine tumor	27	..	..	....	....	....	..	..	....	2	....	1	1	....	1	....	....
127, 128, 130	Other diseases of uterus	58	..	..	1	1	....	..	..	....	2	....	2	....	2	....	....	....
131	Ovarian tumor	29	..	..	....	....	....	..	..	....	....	....	....	....	1	....	....	....
124-126, 132, 133	Diseases of tubes	11	..	..	....	....	....	..	..	....	1	....	....	....	1	....	....	....
	Other diseases of genito-urinary system	124	..	..	3	....	1	..	..	5	2	....	3	3	3	1	1	3
	VII. Childbirth.																	
137	Puerperal septicemia	192	1	1	....	....	2	..	1	1	6	3	1	2	2	....	1	1
138	Puerperal convulsions	87	1	..	1	....	....	1	..	1	2	....	....	....	2	2	1	1
134-136, 139-141	Other causes incident to childbirth	148	..	..	5	3	2	1	2	2	7	....	2	....	2	1	....	2
	VIII. Diseases of Skin.																	
142	Gangrene	112	..	..	4	1	1	..	..	....	2	....	....	3	1	3	2	1
143	Carbuncle	12	..	..	1	1	....	..	..	....	....	....	1	1	....	....	....	....
144	Abscess	38	..	..	3	....	....	..	1	....	....	....	....	....	1	1	....	....
145	Other diseases of skin	28	..	..	....	....	....	..	..	....	1	....	1	....	....	....	....	....
	IX. Diseases of Locomotor System.																	
146	Diseases of bones	37	..	2	....	....	....	..	..	....	1	....	....	1	1	....	....	....
147	Diseases of joints	8	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
148-149	Other diseases of locomotor system	3	..	..	....	....	....	..	..	....	1	....	....	....	....	....	....	....

by counties, during the year 1903. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
1	....	....	..	....	....	1	....	1	..	....	...	1	2	...	1	1	2	...	..	...	...	5	...	8	..	113
1	1	....	..	....	2	4	....	7	1	....	1	4	2	1	...	6	7	2	2	...	4	2	...	8	1	114
....	....	....	..	1	....	....	....	2	..	....	...	...	...	...	...	...	1	...	..	...	...	...	...	....	..	115
3	....	4	..	4	1	6	1	8	1	2	6	4	1	5	2	7	2	...	2	2	3	9	...	21	..	116
....	1	3	..	4	4	3	....	4	2	....	2	5	1	13	6	2	...	1	..	3	4	7	...	14	1	118
1	....	....	..	1	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	1	...	...	....	..	117
1	1	....	1	1	....	2	1	....	..	....	2	1	3	3	1	2	2	1	2	...	...	1	2	7	..	119
12	1	9	..	2	6	31	10	35	..	3	10	13	16	31	14	25	20	4	..	13	38	32	5	49	..	120
1	....	....	1	....	....	....	....	1	..	....	...	1	1	...	2	1	...	..	1	...	1	...	...	4	..	121
....	....	....	..	....	....	....	....	....	1	....	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	122
1	....	3	..	1	....	2	....	5	1	1	...	1	3	...	1	2	...	...	..	1	...	5	...	12	..	123
....	....	....	..	....	....	....	....	1	..	....	...	...	1	1	1	...	...	...	..	...	2	...	...	2	..	129
....	....	1	..	2	....	2	....	1	..	....	2	1	...	...	1	3	...	1	..	...	2	1	...	1	..	127, 128, 130
....	....	1	..	....	....	1	....	1	..	....	...	...	1	...	...	3	...	...	..	...	2	3	...	....	..	131
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	1	...	...	...	..	...	...	...	...	....	..	124, 126
1	1	2	..	1	....	1	1	1	..	....	...	...	2	2	2	1	1	...	..	...	1	1	...	10	..	132, 133
4	2	5	..	2	4	1	3	3	..	2	1	6	2	5	3	...	2	1	..	4	2	...	...	10	..	137
....	....	3	..	...	1	1	1	5	1	....	2	2	1	1	...	3	1	...	..	...	...	1	1	4	..	138
1	1	1	..	....	3	....	1	1	1	1	3	3	1	3	3	...	2	...	2	2	1	1	1	6	..	134-136, 139-144
1	....	....	..	....	....	2	....	2	..	....	2	...	3	1	...	6	1	...	..	1	3	3	...	12	..	142
....	....	....	..	....	....	1	....	1	..	....	...	...	...	...	...	...	1	...	..	...	...	1	...	1	..	143
....	....	2	..	2	....	....	....	1	..	....	...	1	...	...	...	...	...	...	..	1	1	1	...	....	..	144
2	....	1	..	....	....	....	....	2	..	3	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	145
....	....	....	..	1	1	1	....	....	..	....	...	...	1	1	...	...	...	...	..	1	1	...	...	....	..	146
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	...	2	...	....	..	147
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	148, 149

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	State.	Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
			Counties—Alcona															
	X. MALFORMATIONS.																	
150	Hydrocephalus	32	..	..	....	....	....	..	..	....	2	....	1	3	1	1	1	2
	Congenital malformation of heart (cyanosis)	116	..	..	4	1	....	..	1	2	3	2	1	1	....	2	2	....
	Other congenital malformations	181	2	..	2	....	2	2	4	1	9	3	1	....	3	1	3	3
	XI. EARLY INFANCY.																	
151-153	Premature birth	542	..	5	4	5	1	..	2	4	15	2	10	2	13	1	....	2
	Congenital debility	856	2	3	9	8	3	3	1	2	18	6	14	2	10	4	5	11
	XII. OLD AGE.																	
154	Old age	1,038	2	1	18	5	6	3	1	7	21	3	8	16	23	6	3	4
	XIII. VIOLENCE.																	
155	Suicide by poison	68	..	..	....	....	....	..	..	....	2	1	3	....	3	....	....	....
156	Suicide by asphyxia	4	..	..	....	....	....	..	..	....	....	1	2	....	....	....	....	....
157	Suicide by hanging	49	..	..	2	....	....	..	..	1	....	....	....	....	2	....	....	....
158	Suicide by drowning	22	..	..	....	....	....	..	..	....	....	1	....	....	1	....	....	....
159	Suicide by firearms	68	..	..	1	1	....	..	..	....	1	1	1	1	2	....	1	1
160	Suicide by cutting instruments	21	..	..	1	1	....	..	..	....	....	....	....	....	1	....	....	....
161	Suicide by jumping from high places	....	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
162	Suicide by crushing	....	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
163	Suicide by other or unspecified means	14	..	..	1	....	1	..	1	....	....	....	....	....	....	1	....	....
164,165	Fractures and dislocations	256	..	1	8	1	2	1	..	1	4	3	1	2	7	2	2	2
167	Burns and scalds	156	..	..	1	1	1	..	..	....	3	1	3	....	2	5	....	....
169	Heat and sunstroke	17	..	..	....	....	....	..	..	....	1	....	....	....	2	1	....	....
170	Cold and freezing	11	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
(171)	Lightning	28	2	..	....	3	....	..	..	....	1	....	1	1	1	....	....	....
172	Drowning	254	..	1	3	2	....	..	2	1	11	....	6	....	6	3	9	3
174	Inhalation of poisonous gases	20	..	..	....	....	....	..	..	....	....	....	....	....	....	....	....	....
175	Other accidental poisonings	125	..	..	3	....	....	..	..	5	3	1	6	2	3	1	....	1
166	Accidental gunshot wounds	117	..	..	2	1	2	..	..	....	5	2	4	1	2	....	2	....
	Injuries by machinery	37	..	..	1	....	1	..	..	....	2	....	1	2	3	....	....	....
	Injuries in mines and quarries	92	..	..	....	....	....	..	..	....	2	....	....	....	....	....	....	....
	Railroad accidents and injuries	311	1	1	....	3	1	1	..	....	12	....	4	2	18	4	2	....
	Injuries by vehicles and horses	62	..	..	1	....	....	1	..	2	3	....	....	1	3	3	1	....
	Injuries by electric cars	51	..	..	....	....	....	..	..	....	....	....	....	....	4	....	....	....

by counties, during the year 1903. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
....	1	....	..	....	....	....	....	....	..	....	1	...	...	1	1	...	...	...	..	...	...	...	...	....	..	
2	....	....	..	1	1	5	2	....	..	1	2	1	1	4	...	...	1	...	..	...	5	1	...	5	1	150
1	....	....	..	3	2	2	1	2	3	2	2	5	3	7	2	1	1	...	..	...	3	4	1	4	..	
1	....	5	9	7	13	4	6	5	..	11	8	6	2	25	3	10	3	2	4	3	16	7	...	23	3	151-153
16	2	7	..	17	18	6	9	10	..	11	7	4	3	30	7	5	7	3	4	4	12	5	4	36	..	
8	4	4	1	10	4	12	5	22	3	2	7	12	11	7	14	19	11	2	1	8	22	22	6	60	..	154
1	....	1	..	....	....	2	1	....	..	1	...	...	1	...	1	...	...	1	..	1	1	3	...	6	..	155
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	156
1	....	....	..	....	....	1	....	2	..	....	1	...	2	...	3	...	...	...	..	2	1	1	...	1	..	157
....	....	....	..	....	1	....	....	2	..	....	1	1	...	...	...	...	...	...	..	...	...	...	...	....	..	158
1	....	....	1	2	2	....	....	1	..	1	2	...	2	...	2	...	...	...	1	...	2	2	...	3	..	159
....	....	1	..	1	....	....	....	1	..	....	...	...	1	1	...	...	...	2	..	...	2	...	...	1	..	160
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	161
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	...	...	...	...	..	...	...	...	...	....	..	162
....	....	....	..	....	....	....	....	....	..	1	...	...	...	...	...	...	...	...	..	1	...	...	...	....	..	163
4	....	....	..	2	7	2	....	5	1	2	3	1	3	17	1	2	...	2	2	2	10	6	...	19	..	164-165
5	1	2	1	1	....	....	2	4	..	3	...	...	3	8	2	2	1	...	..	1	4	6	3	8	..	167
....	....	....	..	....	....	....	....	....	..	....	...	...	...	...	1	1	...	...	..	...	1	...	...	....	..	169
1	....	....	..	....	....	....	....	....	..	....	1	...	...	3	...	1	...	...	..	1	...	1	...	....	..	170
....	....	....	..	2	....	....	2	....	..	....	...	1	1	...	1	...	1	...	..	...	...	...	...	1	..	(171)
8	2	2	2	1	7	1	2	2	..	5	1	2	...	5	8	3	...	...	..	...	2	3	5	7	..	172
....	....	....	..	....	....	....	....	1	..	....	...	...	...	...	...	1	...	...	..	...	1	2	...	2	1	174
1	....	....	..	2	1	4	....	4	1	2	2	1	...	1	2	4	1	1	..	3	...	5	...	10	..	175
3	1	....	..	2	2	2	2	1	..	5	2	3	2	5	...	1	1	...	3	1	1	1	...	7	..	
1	....	....	..	....	....	....	....	....	..	....	...	...	...	2	1	...	...	...	..	2	1	1	...	1	..	
....	....	....	..	....	10	....	....	....	..	20	...	...	...	26	...	...	...	...	13	...	...	...	...	....	2	166
4	....	....	3	4	7	3	7	3	2	4	4	2	3	5	...	3	1	1	..	...	8	5	1	25	..	
....	1	....	..	....	2	1	....	1	..	....	1	1	1	1	1	1	1	...	..	...	3	2	...	2	..	
1	....	....	..	....	....	....	....	1	..	....	...	...	...	2	...	...	...	...	..	...	1	2	...	1	..	

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
166, 168, [171], 176	Suffocation	54	..	..	....	....	....	..	..	....	1	....	3	....	3	2	....	....
	Other accidental injuries	426	1	1	8	7	7	1	2	3	15	3	10	7	5	4	4	3
	Injuries at birth	88	..	4	3	....	....	..	..	....	2	....	1	....	2	....	....	....
	Homicide	30	..	..	....	....	....	1	..	....	....	....	....	....	1	....	....	....
	XIV. Ill-Defined Diseases.																	
177	"Dropsy"	153	..	..	2	....	2	2	..	1	2	....	1	1	3	....	1	1
178–179	"Heart failure"	123	..	..	1	3	....	..	..	....	1	3	3	1	4	....	1	....
	Other ill-defined diseases	264	3	1	3	2	2	..	..	....	19	1	5	5	7	2	1	2
	Unknown (or unspecified)	284	3	2	2	5	2	3	3	....	4	....	2	....	3	1	1	6

by counties, during the year 1903. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	G'd Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
....	....	....	..	....	....	....	1	1	..	....	....	2	2	1	....	....	....	....	..	....	....	....	....	3	..	
6	2	2	3	9	4	6	7	11	..	4	1	4	4	11	2	7	4	3	2	2	9	9	1	25	..	166, 168, [171], 176
....	....	....	..	2	....	1	....	1	..	....	1	....	1	2	2	1	2	....	2	1	2	1	....	1	..	
....	....	....	..	....	....	....	1	....	..	1	....	....	1	....	....	....	....	....	..	....	1	....	3	1	..	
3	....	2	..	2	....	....	2	2	..	2	1	1	1	3	3	2	4	1	..	....	2	2	1	5	..	177
2	1	3	..	4	....	3	1	3	..	4	....	1	....	3	....	2	2	....	..	2	2	....	1	6	..	
1	3	....	..	1	4	1	2	5	..	4	1	4	4	3	3	1	2	4	2	2	2	4	2	15	..	178, 179
12	5	1	..	16	4	....	4	4	2	22	1	....	....	11	13	1	1	....	4	4	2	6	2	....	..	

Table IV.—Continued.—Causes of death in Michigan.

Classification No.	Causes of death, 1903.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
	ALL CAUSES	51	350	130	663	268	99	71	419	322	590	182	248	342	154	129	401	411
	I. General Diseases.																	
	(*A. Epidemic Diseases.*)																	
1	Typhoid fever	..	7	1	8	3	3	1	1	9	11	3	3	12	1	2	7	7
1	Typho-malarial fever	..	....	....	....	1	..	..	....	....	....	....	....	....	1	....	....	1
4	Malarial fever	..	....	....	....	....	..	..	....	....	....	1	3	....	....	....	2	1
5	Smallpox	..	....	....	....	....	..	1	1	....	1	....	....	....	....	....	....	....
6	Measles	..	....	2	1	1	3	..	....	....	1	....	1	9	2	....	1	9
7	Scarlet fever	..	4	....	1	2	..	..	10	3	11	1	....	4	2	2	3	1
8	Whooping cough	..	4	1	4	1	2	..	6	3	24	3	1	5	1	4	2	3
9	Diphtheria	..	1	1	2	....	..	..	8	3	26	....	1	6	2	....	10	9
9	Croup	..	1	....	....	....	..	..	1	1	4	....	....	2	....	....	1	....
9	Membranous croup	..	....	....	2	1	..	..	1	1	3	....	1	1	....	....	2	1
10	Influenza	..	4	3	23	6	1	3	4	3	2	....	3	2	....	3	6	10
13	Cholera nostras	..	....	1	....	....	..	..	1	2	....	....	....	....	....	....	1	....
14	Dysentery	..	....	....	....	....	2	1	....	....	....	1	3	2	....	....	3	1
18	Erysipelas	..	1	....	1	....	1	..	1	3	2	....	1	....	....	2	1	....
19	Chicken pox	..	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....
19	German measles	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
19	Mumps	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
19	Other epidemic diseases	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
	(*B. Other General Diseases.*)																	
20	Septicemia	..	2	2	5	....	1	2	3	1	1	....	1	1	1	....	1	....
27	Tuberculosis of lungs	3	11	11	37	18	6	11	18	22	43	14	20	34	5	7	27	17
26	Tuberculosis of larynx	..	1	....	1	....	..	..	....	....	....	....	....	....	....	....	....	....
28	Tuberculous meningitis	..	....	....	3	....	..	..	....	....	4	1	1	3	....	1	1	....
29	Abdominal tuberculosis	..	1	....	4	....	..	1	....	3	1	....	....	....	....	....	3	1
30	Pott's disease	..	3	....	....	....	..	..	....	....	....	....	....	1	....	....	....	....
31	Tuberculous abscess	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
32	White swelling	..	....	....	1	....	..	1	....	....	....	....	....	....	....	....	....	....
33	Tuberculosis of other organs	..	1	....	2	....	..	..	2	....	1	....	1	....	....	....	....	....
34	General tuberculosis	..	....	....	3	1	..	..	....	....	1	....	1	2	....	1	....	1
35	Scrofula	..	....	....	1	....	..	..	....	1	....	....	1	....	....	....	....	....
36–38	Venereal diseases	..	....	....	....	1	1	..	2	1	3	1	1	2	1	....	....	1
39	Cancer of mouth	..	1	....	....	1	..	..	2	....	3	1	1	1	....	....	3	2

by counties, during the year 1903. (Stillbirths excluded.)

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
29	448	234	658	224	87	90	224	10	98	479	113	25	971	699	321	418	98	451	425	470	671	6088	207	
1	4	4	6	3	..	..	5	..	6	10	7	1	7	14	3	5	1	8	4	13	8	91	6	1
..	....	....	....	....	..	..	....	..	..	....	1	....	....	....	....	2	....	....	....	....	....	2	....	
1	....	2	1	....	..	..	1	..	..	2	....	....	....	1	1	....	....	....	....	....	1	8	1	4
..	....	....	1	....	..	..	....	..	..	1	....	....	....	....	....	1	....	....	....	....	....	13	....	5
..	15	1	1	2	2	..	....	..	2	8	....	....	2	....	2	....	....	1	2	1	4	17	1	6
..	3	....	3	....	1	1	....	..	..	4	2	....	1	10	....	9	3	2	1	5	9	32	1	7
..	6	2	5	3	..	..	2	..	5	4	2	....	5	3	2	9	6	4	8	7	4	63	2	8
..	1	....	15	1	1	2	....	..	2	1	1	....	7	4	3	4	....	6	1	1	3	252	5	
..	1	1	....	1	..	..	2	..	3	2	....	....	....	....	....	1	....	....	....	....	....	2	....	9
..	1	....	....	....	1	..	....	..	..	....	....	2	2	6	....	....	....	....	....	1	....	15	....	
2	5	5	17	9	2	1	2	..	1	12	....	....	11	12	7	8	1	12	8	12	16	48	2	10
..	1	....	....	....	..	..	....	..	..	....	....	....	2	2	....	....	....	....	....	1	....	7	....	13
1	3	2	2	5	..	..	2	..	1	1	....	....	7	2	1	2	....	2	2	2	3	13	1	14
..	....	2	4	....	1	..	1	..	..	1	....	....	5	1	....	....	....	....	1	2	1	18	....	18
..	....	1	....	....	..	..	1	..	..	....	1	....	....	....	....	....	....	....	....	....	....	....	....	
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	19
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
..	....	....	....	....	..	..	....	..	..	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
..	2	....	2	2	..	..	3	..	..	1	....	....	5	3	1	....	1	3	2	3	1	20	3	20
4	28	9	35	13	7	7	17	2	6	29	3	3	68	37	20	27	5	27	24	24	43	414	14	27
..	....	....	1	....	..	..	....	..	..	....	....	....	2	....	....	....	....	....	....	1	....	4	....	26
..	....	....	....	1	..	1	1	..	..	2	....	....	6	2	1	3	....	....	3	1	7	12	1	28
..	1	....	3	....	..	..	....	..	..	2	....	....	5	3	1	....	1	1	1	2	2	26	....	29
..	1	....	....	....	..	..	....	..	..	....	....	....	2	1	1	2	....	....	....	....	....	3	....	30
..	....	....	1	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	1	....	....	1	....	31
..	....	1	....	....	..	..	....	..	..	2	....	....	....	....	....	....	....	....	....	....	1	4	....	32
..	....	....	1	....	..	..	1	..	..	....	....	....	....	....	....	....	....	1	....	....	1	4	....	33
..	1	1	1	....	..	..	....	..	..	3	....	....	2	2	....	....	....	....	....	....	....	5	1	34
..	....	....	....	....	..	..	1	..	..	2	....	....	1	....	....	....	....	....	....	....	....	2	....	35
1	1	....	2	1	..	..	....	..	..	1	....	....	3	....	....	1	....	....	1	2	1	70	....	36-38
..	1	....	3	....	..	..	....	..	..	....	....	....	1	2	....	3	....	....	....	....	4	6	....	39

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
40	Cancer of stomach and liver	2	5	3	21	5	..	1	21	13	9	3	5	7	3	....	9	8
41	Cancer of intestines	..	2	1	4	3	..	..	3	1	1	1	1	....	....	....	2	2
42	Cancer of genital organs	..	2	....	6	1	..	1	1	4	7	1	2	2	....	....	4	3
43	Cancer of breast	..	1	1	2	....	..	..	1	1	2	....	2	....	....	1	2	1
44	Cancer of skin	..	2	1	2	1	2	..	3	....	1	....	....	....	....	1	....	....
45	Cancer of other organs	2	3	....	5	4	..	1	3	6	3	3	4	1	....	1	2	5
46	Tumors	..	1	....	1	1	1	..	1	....	....	....	....	....	1	....	....	1
47–48	Rheumatism	..	4	1	1	2	..	..	4	1	2	1	5	....	1	2	1	3
50	Diabetes	..	5	2	4	2	..	..	6	4	5	....	1	2	2	2	6	2
53–54	Anemia	..	1	1	3	2	..	..	5	6	2	....	....	1	3	....	4	2
56	Alcoholism	..	1	....	....	3	..	2	1	....	....	1	1	2	....	2	....	....
57–59	Chronic poisonings	..	....	....	....	....	..	..	1	....	....	....	....	....	....	....	1	....
55, etc.	Other general diseases	..	2	....	4	4	..	..	2	1	2	1	....	....	....	....	1	....
	II. Diseases of Nervous System.																	
60	Encephalitis	1	1	....	2	....	..	..	1	1	....	....	....	....	....	....	....	2
61	Meningitis	1	3	....	1	2	3	..	6	4	5	1	3	10	3	1	6	3
62	Locomotor ataxia	1	....	....	1	....	..	1	....	....	....	....	3	....	....	....	1	....
63	Other diseases of spinal cord	..	....	1	4	3	..	..	1	....	3	2	3	....	....	....	3	....
64	Apoplexy	1	12	3	33	11	2	2	29	20	11	9	10	12	5	5	14	21
65	Softening of brain	..	3	1	3	1	..	..	3	....	1	....	1	....	1	....	2	....
66	Paralysis	4	9	3	28	13	..	..	13	1	2	5	3	6	3	2	15	22
67	General paralysis of insane	..	....	....	6	....	2	..	....	....	....	1	1	1	3	....	1	1
68	Other forms of mental disease	..	2	....	....	1	13	..	....	....	....	....	1	....	1	....	1	1
(74)	Other diseases of the brain	..	....	....	2	....	..	..	....	....	3	....	....	....	1	1	2	....
69	Epilepsy	..	12	1	3	....	5	..	3	1	1	4	1	....	1	1	4	1
70–71	Convulsions	..	4	4	2	....	2	2	6	15	9	6	3	5	....	1	3	3
72	Tetanus	..	....	....	....	....	..	..	1	2	....	1	....	....	....	....	1	....
73–76	Other diseases of nervous system	1	1	....	2	....	..	..	2	....	2	2	3	1	1	....	1	2
	III. Diseases of Circulatory System.																	
77	Pericarditis	..	2	4	2	....	..	1	2	....	2	1	2	1	1	1	1	1
78	Endocarditis	1	1	....	2	....	..	..	1	....	3	....	....	....	....	....	1	1
79	Heart disease	3	50	7	96	58	5	6	45	26	28	18	18	22	14	3	51	46
80	Angina pectoris	1	4	....	6	4	..	..	1	....	1	....	2	1	1	2	3	5
81	Diseases of arteries	..	1	....	1	1	..	..	....	1	2	1	2	1	....	....	4	....
82	Embolism and thrombosis	..	1	1	....	....	..	..	....	....	....	....	....	....	....	....	....	1

by counties during the year 1903. (Stillbirths excluded.)

to Wexford.

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	12	3	10	3	..	1	3	..	..	12	....	1	29	20	5	4	3	9	15	18	23	106	1	40
..	4	2	7	....	..	..	1	..	..	3	....	....	7	3	....	2	....	3	1	6	3	39	....	41
..	3	3	6	2	..	1	....	..	..	4	....	....	7	7	3	....	....	4	3	3	8	48	2	42
..	1	....	5	....	..	..	2	..	..	1	....	....	7	5	4	2	1	1	1	3	6	17	2	43
..	1	....	3	1	..	..	1	..	..	1	....	....	4	1	4	....	....	1	2	3	2	5	....	44
..	5	4	14	....	..	2	2	..	..	6	....	....	6	10	1	2	1	4	4	11	8	58	3	45
..	2	1	2	....	..	..	....	..	1	1	....	....	1	1	3	2	....	1	1	....	2	6	1	46
..	2	2	2	2	..	1	2	..	..	4	....	....	7	5	8	3	....	4	3	1	7	39	1	47,48
..	1	3	5	3	1	..	4	..	..	2	....	....	10	9	2	2	....	5	6	7	4	35	1	50
..	1	1	3	....	..	..	1	..	..	4	1	....	8	8	6	2	1	....	6	6	7	28	1	53,54
..	....	....	....	....	1	..	1	..	1	1	1	....	1	1	1	1	2	....	....	1	2	19	1	56
..	....	....	....	....	..	..	1	..	..	....	....	....	....	....	1	....	....	....	....	1	....	4	....	57–59
..	....	....	2	....	..	..	....	..	1	1	....	....	3	....	....	....	1	....	....	....	....	12	....	55, etc.
..	1	....	3	1	..	1	1	..	..	2	1	1	4	1	....	2	....	....	....	1	3	6	....	60
1	2	2	2	3	1	1	2	..	2	1	2	....	8	10	3	10	2	6	5	4	9	89	4	61
..	2	....	3	....	..	..	....	..	..	1	....	....	3	2	1	1	....	2	....	2	1	12	1	62
..	1	....	3	1	..	..	1	..	..	2	....	1	3	8	1	4	1	....	1	....	5	13	....	63
..	24	6	35	11	..	2	7	..	1	28	1	....	44	36	25	12	6	19	36	21	49	199	6	64
..	....	1	3	1	..	..	....	..	1	....	....	....	2	1	2	5	....	3	2	5	....	4	....	65
2	13	5	20	7	3	..	6	2	4	12	2	....	22	20	17	9	4	16	14	15	15	81	6	66
..	....	....	14	....	..	..	2	..	..	2	....	....	3	3	....	....	....	1	....	2	1	17	....	67
..	....	....	16	....	..	..	2	..	..	....	....	....	....	....	....	....	....	2	....	....	2	24	....	68
..	2	....	4	....	..	..	....	..	..	4	....	....	1	3	....	1	....	1	1	....	1	5	1	(74)
..	....	1	13	....	..	..	....	..	..	2	....	....	4	....	....	1	....	3	3	3	2	15	1	69
..	10	4	7	1	1	1	1	..	3	11	4	1	16	9	2	4	....	2	3	1	4	175	5	70–71
..	2	....	3	....	..	..	....	..	..	2	....	....	1	2	1	....	....	....	....	2	1	12	1	72
..	1	1	4	2	1	2	2	..	..	3	....	....	3	1	2	1	1	1	....	1	3	16	....	73–76
..	....	....	2	....	2	..	....	..	..	1	....	....	3	1	1	1	....	....	....	....	1	3	1	77
..	2	1	5	....	..	1	2	..	..	1	2	....	2	....	....	1	....	....	4	2	9	29	....	78
3	46	34	77	25	9	3	20	..	12	50	4	5	93	67	39	37	3	56	41	75	64	502	12	79
..	2	7	2	....	1	1	1	..	..	4	....	....	4	7	5	4	....	4	2	2	8	33	....	80
..	4	1	4	....	1	1	2	..	..	3	....	....	7	5	5	....	1	3	....	3	2	26	1	81
..	....	....	2	....	..	1	....	..	..	3	....	1	2	2	....	....	....	1	....	1	....	8	....	82

Table IV.—Continued.—Causes of death in Michigan.

Classification No.	Causes of death, 1903.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
83	Diseases of veins	..	....	....	....	2	..	..	....	....	....	....	....	....	....	....	....	....
84	Diseases of lymphatics	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
85-86	Other diseases of circulatory system	..	....	2	1	1	..	..	....	....	1	....	....	1	....	....	....	2
	IV. Diseases of Respiratory System.																	
88	Laryngitis	..	....	....	....	....	..	..	1	....	....	....	....	....	....	....	....	....
	Other diseases of larynx	..	....	....	....	....	..	..	....	1	....	....	....	....	....	1	1	1
89	Diseases of thyroid body	..	1	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
90	Acute bronchitis	1	2	3	6	2	2	1	5	....	25	....	2	4	2	3	3	5
91	Chronic bronchitis	1	3	1	7	3	1	..	1	3	8	....	2	2	2	....	4	3
92	Bronchopneumonia	..	1	....	3	4	..	..	7	1	14	6	3	6	2	3	8	1
93	Pneumonia	1	21	9	28	18	3	7	18	16	33	14	20	23	7	10	23	27
94	Pleurisy	..	....	....	1	....	..	..	1	1	....	....	1	2	....	....	....	1
95	Congestion of lungs	..	1	....	5	2	..	..	....	....	1	....	....	....	3	4	1	3
96	Gangrene of lungs	..	....	....	....	....	..	..	1	....	....	....	....	....	....	....	....	....
97,98	Asthma and emphysema	..	....	....	2	1	..	1	....	2	1	1	....	4	1	....	2	....
87,99	Hemorrhage of lungs	..	....	....	....	....	..	..	....	....	1	1	1	....	....	....	....	1
	Other diseases of respiratory system	..	1	....	2	....	..	..	1	1	1	....	....	....	....	1	....	....
	V. Diseases of Digestive System.																	
100	Diseases of mouth	..	2	....	....	1	..	1	1	1	1	....	1	....	....	....	....	....
101,102	Tonsilitis	..	1	....	1	....	..	1	....	2	....	....	....	....	....	....	....	1
	Other diseases of pharynx	..	....	....	2	....	..	..	1	1	....	....	1	....	....	....	....	....
103	Ulcer of stomach	..	....	2	4	2	..	..	....	1	4	....	....	1	....	....	2	1
104	Gastritis	1	1	....	4	1	..	..	4	....	3	....	1	1	3	2	....	3
	Other diseases of stomach	3	1	2	5	3	3	1	4	6	1	1	5	2	5	1	3	6
(314)	Dentition	..	....	....	....	....	1	..	1	....	....	....	....	1	....	....	....	....
105	Diarrhea and enteritis (under 2 years)	1	7	8	21	1	4	6	20	20	52	14	9	25	8	9	20	11
106	Diarrhea and enteritis (over 2 years)	1	4	1	15	2	3	..	4	4	3	4	4	7	3	4	7	4
108	Hernia	..	1	1	1	....	..	1	1	1	....	....	1	2	1	....	3	2
	Obstructions of intestines	..	1	3	....	2	..	..	3	1	1	2	2	....	1	....	1	3
107,109	Other diseases of intestines	..	....	1	2	....	..	..	....	1	1	....	....	1	1	....	3	1
110	Acute yellow atrophy of liver	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	1
111	Hydatid tumors of liver	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
112	Cirrhosis of liver	..	6	1	3	1	..	1	3	2	10	1	....	2	5	1	3	7

by counties, during the year 1903. (Stillbirths excluded.)

to Wexford.

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	1	....	....	....	....	....	2	....	83
..	....	....	....	....	..	..	....	..	..	....	....	....	....	1	....	....	....	....	....	....	....	....	....	84
..	2	....	1	....	..	..	....	..	..	....	....	....	4	3	....	....	....	....	....	....	....	9	1	85–86
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	88
1	....	....	1	1	1	..	....	..	..	2	....	....	1	1	....	....	....	1	....	....	....	7	....	
..	....	....	....	....	..	..	....	..	..	....	....	....	1	....	....	....	....	....	....	....	....	3	....	89
..	8	7	....	2	..	6	3	..	3	10	....	....	12	4	....	11	1	5	4	....	7	107	1	90
..	1	3	2	2	1	..	4	..	1	12	1	....	10	9	4	1	....	....	4	2	14	76	1	91
1	12	3	9	2	1	1	3	..	3	10	3	....	10	6	2	5	3	4	3	2	16	175	4	92
1	20	21	36	19	3	6	12	1	5	24	6	....	57	39	21	28	1	31	32	21	39	443	16	93
..	1	....	2	2	..	..	....	..	..	1	....	....	3	1	....	1	....	3	1	1	....	17	1	94
1	4	....	6	3	1	..	1	..	1	....	....	....	9	1	3	2	....	1	1	3	3	23	4	95
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	1	....	....	....	3	..	96
..	3	1	1	2	..	..	....	..	1	1	....	....	4	3	1	2	1	4	2	....	3	24	1	97–98
..	1	1	1	....	..	..	....	..	..	....	....	....	3	....	....	....	....	....	....	....	....	6	..	87,99
..	4	2	3	1	..	..	1	..	..	1	1	....	1	....	....	4	....	....	3	....	2	13	2	
..	....	....	....	1	..	..	....	..	..	....	....	....	1	1	....	1	....	....	....	....	1	2	1	100
..	....	....	....	....	1	..	....	..	..	....	....	....	1	....	....	1	....	1	....	....	....	4	.	101,102
..	1	....	1	....	..	..	....	..	..	1	....	....	1	1	....	2	....	2	....	1	1	6	.	
..	....	2	4	2	..	1	....	..	..	3	....	....	3	1	2	3	....	1	....	1	1	9	.	103
..	2	2	5	1	1	1	....	..	1	3	1	....	11	3	3	4	....	3	2	2	1	43	.	104
..	10	3	3	....	..	..	1	..	..	4	1	1	11	5	1	5	2	4	1	1	4	25	1	
..	....	....	....	....	..	..	....	..	..	....	....	....	....	1	....	....	....	....	....	....	....	1	.	(314)
2	9	7	18	15	10	9	13	..	7	19	18	....	55	27	9	20	9	11	14	22	17	390	18	105
1	9	3	8	3	3	..	3	..	..	8	1	....	13	7	6	7	2	7	4	4	4	78	3	106
..	3	....	....	....	1	..	....	..	1	1	....	....	2	1	....	....	.	2	4	....	1	13	.	108
..	5	1	10	....	..	2	2	..	..	1	1	....	2	9	2	1	.	1	3	4	2	41	1	
..	....	1	3	1	..	..	1	..	..	1	....	....	1	2	....	1	1	1	2	2	1	15	.	107,109
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	1	.	....	.	....	1	2	.	110
..	....	....	....	....	..	..	....	..	..	....	....	....	1	....	....	....	.	....	.	1	....	....		111
..	2	3	4	4	1	..	3	..	..	4	1	....	4	5	3	3	1	2	4	2	5	51	2	112

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Milwaukee.	Monroe.	Montcalm.
113	Biliary calculi	..	....	....	1	....	..	..	....	....	....	....	....	....	....	....	2	....
114	Other diseases of liver	1	4	....	9	1	1	1	15	2	1	....	1	1	1	....	1	3
115	Diseases of spleen	..	....	....	1	....	..	..	....	....	....	....	....	....	....	....	3	1
116	Peritonitis	..	6	2	10	1	..	..	2	2	2	4	1	3	....	3	1	2
118	Appendicitis	1	8	....	8	1	1	..	3	6	4	3	7	6	1	1	1	2
117	Other diseases of digestive system	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
	VI. Diseases of Genito-urinary System.																	
119	Acute nephritis	..	....	1	2	....	..	..	3	1	3	....	1	3	....	1	3	....
120	Bright's disease	..	16	5	25	14	..	1	17	15	14	11	16	5	5	4	14	13
121	Other diseases of kidneys	..	1	....	....	1	..	1	2	1	1	1	....	1	....	1	1	1
122	Calculi of urinary tract	..	....	....	....	....	..	..	....	....	....	....	....	....	1	....	....	....
123	Diseases of bladder	..	3	1	5	1	..	..	....	....	....	....	....	....	2	1	3	2
129	Uterine tumor	..	1	....	1	....	..	..	....	1	....	....	....	....	1	....	....	1
127, 128, 130	Other diseases of uterus	..	2	....	3	1	..	..	2	1	1	....	....	....	....	....	....	1
131	Ovarian tumor	..	1	....	1	....	..	..	....	....	....	....	....	....	....	....	....	....
124–126, 132, 133	Diseases of tubes	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
	Other diseases of genito-urinary system	1	2	....	3	4	..	..	1	2	2	1	2	....	....	....	2	1
	VII. Childbirth.																	
137	Puerperal septicemia	1	4	....	4	1	..	..	2	....	3	2	3	1	....	3	1	3
138	Puerperal convulsions	..	1	....	1	1	..	..	1	2	2	1	1	4	3	....	....	2
134–136, 139–141	Other causes incident to childbirth	2	2	....	2	1	2	2	3	....	3	....	....	3	3	....	2	3
	VIII. Diseases of Skin.																	
142	Gangrene	..	1	....	2	1	..	..	....	....	....	1	....	....	....	1	4	2
143	Carbuncle	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
144	Abscess	..	1	....	3	....	..	..	....	....	....	....	....	1	....	....	....	....
145	Other diseases of skin	..	....	....	....	....	..	..	1	....	1	....	2	....	....	....	1	1
	IX. Diseases of Locomotor System.																	
146	Diseases of bones	..	....	1	3	....	..	..	....	....	1	....	....	....	....	1	1	2
147	Diseases of joints	..	1	....	....	....	..	..	....	....	....	....	1	....	....	....	1	....
148–149	Other diseases of locomotor system	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....

by counties, during the year 1903. (Stillbirths excluded.)

to Wexford.

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	1	1	....	....	..	..	....	..	2	....	....	....	2	1	....	....	....	....	....	....	3	16	....	113
..	1	1	2	1	..	..	1	..	..	1	....	....	6	2	3	4	....	3	4	4	3	28	2	114
..	1	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	2	....	115
..	5	1	6	2	1	..	....	..	..	5	....	....	13	8	1	3	2	4	11	5	10	51	3	116
..	1	2	3	....	1	..	2	..	1	3	....	....	11	3	....	3	1	4	3	3	10	50	3	118
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	117
..	3	....	3	....	2	..	....	..	1	....	....	....	4	3	1	1	....	2	2	....	4	37	1	119
..	14	4	37	13	2	..	8	..	4	24	....	1	36	24	18	10	2	22	9	27	35	239	4	120
1	2	....	3	....	..	..	....	..	..	2	....	....	1	1	2	3	....	1	1	....	3	13	....	121
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	2	....	....	....	2	....	122
..	1	3	3	4	1	..	1	..	1	....	....	....	6	2	2	3	....	3	5	5	4	17	....	123
..	....	1	....	....	..	..	....	..	..	....	....	....	1	1	....	....	....	1	1	....	....	4	....	129
..	....	....	....	....	..	..	....	..	..	1	1	....	3	2	2	1	....	1	3	....	....	7	....	127, 128, 130
..	1	....	1	....	..	..	2	..	..	....	....	....	2	....	....	....	....	....	....	....	2	6	....	131
..	....	....	1	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	7	....	124-126
..	2	1	4	....	..	..	1	..	..	....	....	....	3	1	....	3	....	2	....	....	5	27	....	132, 133
..	5	2	2	1	1	1	7	1	..	3	2	....	6	5	2	2	1	1	3	3	1	31	....	137
..	2	1	....	....	1	1	2	..	..	....	1	....	2	1	....	1	....	1	3	1	....	11	....	138
..	2	....	....	1	..	1	4	..	..	1	3	....	6	1	1	....	1	5	2	1	6	18	....	134-136, 139-141
..	2	2	2	2	..	..	1	..	..	1	1	....	3	4	3	2	....	1	....	2	2	16	1	142
..	1	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	2	....	143
..	....	....	3	....	..	..	....	..	..	....	....	....	....	1	....	....	....	2	2	1	3	6	....	144
..	1	....	....	....	1	..	....	..	..	....	....	....	....	....	1	....	....	....	1	1	....	7	....	145
..	3	....	....	....	..	..	1	..	..	....	....	....	2	2	....	....	....	1	....	....	1	6	....	146
..	....	....	....	....	..	..	....	..	..	....	....	....	2	....	....	....	....	....	....	....	....	1	....	147
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	2	....	148, 149

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	Counties—Lake,																
		Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
	X. Malformations.																	
	Hydrocephalus	..	....	1	1	....	..	..	2	1	....	....	....	....	1	1	....	....
150	Congenital malformation of heart (cyanosis)	1	4	1	3	2	..	..	1	1	....	....	1	....	....	....	1	1
	Other congenital malformations	..	1	1	2	2	..	..	2	1	1	....	2	2	....	....	6	2
	XI. Early Infancy.																	
151-153	Premature birth	3	7	2	7	....	3	..	5	6	18	2	5	9	3	1	5	7
	Congenital debility	4	4	1	16	....	5	2	11	2	26	5	7	12	4	6	7	11
	XII. Old Age.																	
154	Old age	2	17	7	35	12	2	..	15	8	7	5	9	7	7	8	9	14
	XIII. Violence.																	
155	Suicide by poison	..	....	....	3	1	..	..	....	1	....	....	1	1	....	....	2	....
156	Suicide by asphyxia	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
157	Suicide by hanging	..	....	....	1	....	..	..	2	....	3	1	....	1	....	....	....	2
158	Suicide by drowning	..	....	....	1	....	..	..	....	....	....	....	....	....	....	....	1	....
159	Suicide by firearms	..	1	....	....	....	..	..	2	1	2	....	....	....	....	....	1	1
160	Suicide by cutting instruments	..	1	....	1	....	..	..	....	....	....	....	....	....	....	....	....	....
161	Suicide by jumping from high places	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
162	Suicide by crushing	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
163	Suicide by other or unspecified means	..	....	....	1	....	..	..	....	....	....	....	....	1	....	....	....	....
164, 165	Fractures and dislocations	..	3	....	9	....	1	..	3	1	7	....	....	2	2	1	2	2
167	Burns and scalds	..	1	1	4	....	2	..	1	3	6	1	2	7	....	....	1	4
169	Heat and sunstroke	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
170	Cold and freezing	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	....
(171)	Lightning	..	....	2	....	1	..	..	....	....	1	....	....	....	....	....	1	....
172	Drowning	..	....	....	1	1	2	2	6	8	4	....	....	5	....	....	4	5
174	Inhalation of poisonous gases	..	....	....	....	....	..	..	....	....	....	....	....	....	....	....	....	1
175	Other accidental poisonings	..	2	....	2	1	..	..	1	1	2	1	....	1	4	1	....	3
	Accidental gunshot wounds	..	1	1	2	....	..	..	....	3	2	....	1	4	1	1	3	4
	Injuries by machinery	..	....	....	1	....	..	..	....	....	3	....	....	....	....	1	....	2
	Injuries in mines and quarries	..	....	....	....	....	..	..	....	....	16	....	....	....	....	....	....	....
166	Railroad accidents and injuries	..	2	....	5	....	..	..	3	2	9	1	1	....	....	....	3	....
	Injuries by vehicles and horses	..	....	....	2	1	..	..	....	....	....	....	....	....	2	....	1	2
	Injuries by electric cars	..	....	....	....	....	..	..	2	1	....	....	....	....	....	....	....	....

by counties, during the year 1903. (Stillbirths excluded.)

Wexford.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Ossoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	2	1	1	....	..	..	....	..	..	....	....	....	3	1	....	....	....	....	....	....	1	1	....	
1	1	....	1	....	2	2	2	..	1	....	....	....	2	1	....	....	....	1	4	1	3	22	4	150
1	5	1	2	....	1	1	1	..	1	4	....	1	4	5	4	2	....	1	7	2	1	30	....	
2	7	5	7	6	1	1	5	..	1	5	3	1	20	24	3	11	4	8	7	4	8	78	6	151–153
..	3	....	7	3	5	5	5	..	1	9	6	....	20	9	4	13	3	3	8	12	5	282	2	
..	11	10	17	12	3	4	5	..	2	19	5	1	36	33	9	27	....	11	20	14	20	204	7	154
..	....	....	1	....	..	..	2	..	..	2	....	....	6	....	....	2	....	1	....	2	1	13	....	155
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	156
..	1	....	2	....	..	..	....	..	..	....	1	....	2	2	....	....	....	1	....	1	1	8	....	157
..	....	1	....	....	..	..	1	..	..	2	....	....	2	....	....	....	1	....	....	3	....	3	....	158
..	1	....	2	1	..	..	....	..	..	1	....	....	5	1	2	....	....	....	....	2	3	9	1	159
..	....	....	1	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	1	4	....	160
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	161
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	162
..	....	....	2	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	1	....	1	2	....	163
..	3	1	4	1	..	1	4	..	1	3	2	....	10	2	2	1	....	7	3	2	7	40	1	164–165
..	3	2	4	....	1	..	1	..	1	1	....	....	1	2	1	1	....	1	3	2	1	22	2	167
..	....	....	....	....	..	..	....	1	..	....	....	....	1	....	....	....	....	....	....	....	1	7	....	169
..	....	....	....	1	..	..	....	..	..	....	....	....	1	....	....	....	....	1	....	....	....	....	....	170
..	....	....	....	....	..	..	....	..	..	....	1	1	1	....	....	....	....	1	....	1	....	....	....	(171)
..	9	3	3	1	..	1	....	..	..	6	1	....	8	13	1	2	2	2	1	4	3	41	....	172
..	1	....	....	....	..	..	....	..	..	....	....	....	1	1	....	....	....	....	....	....	....	8	....	174
..	1	....	4	....	..	1	....	..	..	1	....	....	1	....	2	2	....	1	2	2	1	17	1	175
..	1	1	1	....	..	1	1	..	..	1	1	....	2	2	....	1	2	....	2	2	1	8	1	
..	1	....	....	....	..	..	....	1	..	....	1	....	....	1	1	2	....	1	....	....	....	2	1	
..	....	....	....	....	..	2	....	..	..	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
..	....	2	5	2	1	2	2	..	..	2	1	....	7	5	3	1	3	30	5	3	7	56	4	166
..	1	....	....	1	..	..	1	..	..	....	....	....	2	3	1	....	....	....	1	....	2	8	....	
..	....	....	....	....	..	..	....	..	..	2	....	....	....	2	....	....	....	....	....	....	1	31	....	

Table IV.—Concluded.—Causes of death in Michigan,

Classification No.	Causes of death, 1903.	Counties—Lake																
		Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
166, 168, [171], 176	Suffocation	1	....	....	1	....	..	..	....	....	1	....	....	....	....	....	....	1
	Other accidental injuries	2	4	....	14	8	3	..	1	2	13	3	4	5	3	1	7	6
	Injuries at birth	..	3	....	....	....	..	..	2	4	3	2	1	3	1	....	1	2
	Homicide	..	....	....	1	....	..	..	....	....	2	....	....	1	....	....	....	....
	XIV. Ill-Defined Diseases.																	
177	"Dropsy"	..	4	2	2	....	..	1	1	3	....	1	....	1	....	3	2	5
178-179	"Heart failure"	..	3	3	2	2	2	..	....	....	3	....	....	....	1	....	....	4
	Other ill-defined diseases	1	5	1	2	3	3	..	1	3	4	1	4	1	2	1	....	5
	Unknown (or unspecified)	1	2	6	1	2	..	2	2	8	9	3	1	5	1	1	1	1

by counties, during the year 1903. (Stillbirths excluded.)

to Wexford.

Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	3	2	4	....	..	..	....	..	..	....	....	....	7	2	1	....	....	1	....	....	....	11	....	
..	7	1	5	1	1	2	3	..	2	....	2	....	10	15	3	3	4	8	3	4	8	44	5	166, 168 [171], 176
..	4	....	2	....	..	..	3	..	..	1	....	....	3	....	1	3	2	1	2	....	2	9	1	
..	1	1	1	....	..	1	....	..	..	....	....	....	3	1	....	....	....	1	1	....	....	6	....	
..	4	4	....	....	1	1	1	..	..	9	2	....	2	9	2	2	....	....	2	....	....	31	3	177
..	....	....	4	1	..	..	1	..	..	1	1	....	5	6	1	2	1	4	1	2	2	12	2	
..	5	3	1	3	..	2	1	..	1	3	1	....	9	8	1	6	....	5	3	5	11	35	1	178, 179
1	9	4	4	2	1	3	2	2	3	....	8	3	6	5	1	7	3	1	2	2	3	10	4	

TABLES

RELATING TO

MARRIAGES

IN

MICHIGAN

DURING THE

YEAR 1903

PRIMARY TABLES RELATING TO MARRIAGES IN MICHIGAN DURING THE YEAR 1903.

TABLE I.—Marriages in Michigan, by months and counties, during the year 1903.

TABLE II.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

TABLE III.—Marriages and persons married in Michigan, by nativity and counties during the year 1903.

TABLE IV.—Marriages in Michigan, by ages of males and females married, during the year 1903.

TABLE V.—Probate marriages in Michigan, by ages of males and females married during the year 1903.

NOTE.—*Secondary tables* containing marriage rates and other rates, and *comparative tables*, displaying the facts relative to marriages in Michigan for the year 1903 in connection with previous years and other states and countries, may be found on preceding pages of this report, together with the descriptive text.

Table I.—Marriages in Michigan, by months and counties, during the year 1903.

State and counties.	Year, 1903.	Months, 1903.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
STATE.....	26,029	1,720	1,669	1,618	2,080	1,905	3,072	1,902	2,082	2,598	2,424	2,520	2,417	22
Alcona.....	40	4	1	4	4	8	3	4	2	1	1	2	6	.....
Alger.....	49	2	3	1	6	7	5	4	3	3	6	2	7	.....
Allegan.....	362	18	14	30	30	28	32	26	29	33	32	44	46	.....
Alpena.....	188	17	10	11	24	23	20	9	13	13	19	19	10	.....
Antrim.....	133	9	4	10	15	10	10	11	7	11	9	12	25	.....
Arenac.....	95	13	9	4	9	5	7	6	9	4	13	8	8	.....
Baraga.....	49	4	1	4	1	9	6	2	5	5	2	4	6	.....
Barry.....	224	18	11	20	15	17	23	13	14	28	20	27	18	.....
Bay.....	660	60	65	27	77	51	80	41	37	57	49	66	49	1
Benzie.....	116	7	10	12	12	8	6	13	8	9	4	18	9	.....
Berrien.....	1,176	52	29	54	59	77	162	167	210	159	85	68	54	.....
Branch.....	298	17	29	27	18	21	24	28	22	21	34	33	24	.....
Calhoun.....	601	39	52	44	46	32	77	34	42	55	51	59	70	.....
Cass.....	240	13	13	12	25	20	24	15	21	27	27	17	26	.....
Charlevoix.....	135	8	8	8	17	13	10	10	8	14	12	9	18	.....
Cheboygan.....	153	7	12	14	13	11	21	12	13	9	10	15	16	.....
Chippewa.....	219	9	15	14	20	14	31	28	18	27	18	9	16	.....
Clare.....	70	5	3	6	3	6	10	7	5	4	4	6	11	.....
Clinton.....	254	17	22	26	15	21	17	11	17	38	13	25	32	.....
Crawford.....	42	2	3	2	5	5	3	5	1	5	6	2	5	.....
Delta.....	253	13	14	13	21	22	31	21	34	13	23	27	18	3
Dickinson.....	228	10	20	13	21	11	27	24	18	28	25	17	14	.....
Eaton.....	333	28	26	21	22	19	38	10	22	32	26	41	48	.....
Emmet.....	181	9	10	9	8	15	13	19	26	13	17	25	17	.....
Genesee.....	432	20	29	39	36	34	42	21	36	40	31	55	49	.....
Gladwin.....	68	9	6	4	8	5	4	2	5	9	3	7	5	1
Gogebic.....	254	19	16	22	22	20	16	27	21	27	27	20	17	.....
Grand Traverse...	273	11	14	17	20	27	34	15	24	28	16	33	34	.....
Gratiot.....	344	26	22	32	19	26	22	24	25	21	45	34	47	1
Hillsdale.....	326	24	26	30	21	21	37	24	24	34	21	26	38	.....
Houghton.....	675	51	42	25	8	46	84	54	80	64	86	56	39	.....
Huron.....	273	27	18	17	15	33	23	11	17	28	24	33	27	.....
Ingham.....	462	32	29	37	42	23	51	28	36	60	39	41	44	.....
Ionia.....	383	26	31	25	22	24	43	24	31	34	34	40	49	.....
Iosco.....	94	4	4	1	10	6	12	10	10	8	10	6	13	.....
Iron.....	101	13	5	4	7	13	9	7	10	9	6	11	7	.....
Isabella.....	237	20	19	18	18	22	15	19	30	8	13	26	26	3
Jackson.....	543	42	41	48	42	40	57	38	31	49	53	48	54	.....
Kalamazoo.....	557	37	31	32	51	34	70	46	45	46	47	41	77	.....
Kalkaska.....	81	8	6	2	4	6	11	6	5	5	10	7	11	.....
Kent.....	1,584	105	103	80	121	122	212	127	120	148	163	125	158	.....
Keweenaw.....	22	.....	3	3	3	.....	.....	2	1	3	4	1	2	.....
Lake.....	41	4	2	7	2	5	2	5	2	4	.....	2	6	.....
Lapeer.....	269	14	18	29	21	11	25	20	12	25	24	31	39	.....
Leelanau.....	84	5	9	4	5	9	5	7	9	7	3	15	6	.....
Lenawee.....	491	37	38	30	44	30	51	38	30	49	49	43	52	.....
Livingston.....	168	12	10	18	20	12	13	5	12	14	20	13	19	.....
Luce.....	31	1	3	2	3	2	3	4	1	5	2	1	4	.....
Mackinac.....	72	7	4	.....	5	8	9	7	8	8	7	5	4	.....
Macomb.....	241	21	15	14	34	16	22	8	15	19	26	31	20	.....
Manistee.....	243	13	14	12	14	31	22	23	18	24	22	29	21	.....
Marquette.....	389	23	21	18	30	34	56	30	23	46	42	40	26	.....
Mason.....	149	9	11	12	12	5	11	11	14	17	12	18	16	1
Mecosta.....	221	12	8	15	18	21	22	14	21	22	21	24	23	.....
Menominee.....	403	20	28	16	36	44	49	39	23	42	35	37	33	1
Midland.....	147	14	6	7	15	10	16	8	19	9	9	15	19	.....
Missaukee.....	97	9	6	5	11	9	8	8	9	10	3	11	8	.....
Monroe.....	512	41	32	34	42	45	62	20	38	55	56	52	35	.....
Montcalm.....	344	28	19	32	34	22	24	29	23	27	22	44	40	.....
Montmorency....	33	1	.....	5	1	6	5	1	1	3	5	4	1	.....

Table I.—Concluded.—Marriages in Michigan, by months and counties, during the year 1903.

Counties.	Year, 1903.	Months, 1903.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Muskegon	345	17	22	28	22	34	29	35	22	43	32	31	28	2
Newaygo	154	9	7	17	15	15	11	6	9	10	20	15	20	.....
Oakland	375	14	25	34	37	16	54	23	32	25	26	38	46	5
Oceana	152	8	12	10	17	8	16	6	7	14	13	21	20	.....
Ogemaw	73	1	7	5	11	8	11	6	2	4	7	5	6	.....
Ontonagon	69	4	5	.....	5	7	17	7	3	5	6	7	3	.....
Osceola	167	6	14	15	15	17	21	7	10	16	15	19	12	.....
Oscoda	14	1	4	.....	.....	.....	1	.....	2	2	1	.....	3	.....
Otsego	73	5	4	7	5	6	4	9	6	6	10	5	6	.....
Ottawa	438	23	12	26	43	31	51	32	35	51	46	47	41	.....
Presque Isle	94	5	6	5	8	6	12	8	7	7	8	17	5	.....
Roscommon	17	3	.....	.....	1	1	1	3	.....	2	3	2	1	.....
Saginaw	821	48	70	38	57	53	97	53	59	83	96	86	81	.....
St. Clair	551	49	34	30	44	32	66	32	43	63	43	45	67	3
St. Joseph	248	21	19	15	24	19	26	13	12	19	23	25	32	.....
Sanilac	310	34	18	16	21	12	44	16	16	35	27	29	41	1
Schoolcraft	80	3	4	12	3	6	7	6	6	7	8	7	11	.....
Shiawassee	378	22	29	30	29	26	43	24	19	36	43	41	36	.....
Tuscola	357	24	22	23	31	25	34	19	15	49	41	33	41	.....
Van Buren	355	21	19	25	24	15	34	21	46	36	41	40	33	.....
Washtenaw	345	22	24	28	27	15	51	26	22	33	31	41	25	.....
Wayne	3,673	245	220	160	280	268	594	253	286	416	365	370	216	.....
Wexford	197	9	19	12	19	12	21	15	10	20	23	16	21	.....

Table II.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

State and counties.	Total marriages, 1903.	Sex.	Number of persons married, by periods of age, 1903.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
STATE....	26,029	Totals...	7,587	20,714	12,081	4,641	2,577	1,530	1,051	694	485	331	226	87	40	7	7
		Males....	547	10,154	7,719	3,093	1,667	948	650	432	339	212	161	66	35	5	1
		Females.	7,040	10,560	4,362	1,548	910	582	401	262	146	119	65	21	5	2	6
Alcona.....	40	Totals...	21	28	20	1	4	2	.....	3	1	....	....	....	....	..	..
		Males....	.....	14	20	1	1	1	.....	2	1	....	....	....	....	..	..
		Females.	21	14	.....	.....	3	1	.....	1	....	....	....	....	....	..	..
Alger.....	49	Totals...	21	38	21	14	4	.....	.....	....	....	....	....	....	....	..	..
		Males....	2	18	15	11	3	.....	.....	....	....	....	....	....	....	..	..
		Females.	19	20	6	3	1	.....	.....	....	....	....	....	....	....	..	..
Allegan.....	362	Totals...	112	269	172	47	33	24	18	11	19	6	8	1	3	1	
		Males....	18	125	115	30	22	10	10	7	15	3	3	....	3	1	..
		Females.	94	144	57	17	11	14	8	4	4	3	5	1	....	..	..
Alpena.....	188	Totals...	64	144	86	32	14	13	9	2	9	2	1	....	....	..	..
		Males....	3	76	56	20	9	10	5	1	7	....	1	....	....	..	..
		Females.	61	68	30	12	5	3	4	1	2	2	....	....	....	..	..
Antrim.....	133	Totals...	60	98	52	23	18	8	3	3	1	....	....	....	....	..	..
		Males....	1	57	35	17	12	5	3	2	1	....	....	....	....	..	..
		Females.	59	41	17	6	6	3	.....	1	....	....	....	....	....	..	..
Arenac.....	95	Totals...	43	75	30	17	10	2	5	2	4	1	1	....	....	..	..
		Males....	4	41	19	13	9	2	2	....	3	1	1	....	....	..	..
		Females.	39	34	11	4	1	.....	3	2	1	....	....	....	....	..	..
Baraga.....	49	Totals...	13	32	23	9	9	1	5	4	1	1	....	....	....	..	..
		Males....	2	12	17	3	8	1	3	3	....	....	....	....	....	..	..
		Females.	11	20	6	6	1	.....	2	1	1	1	....	....	....	..	..
Barry.....	224	Totals...	74	176	107	24	21	12	10	10	6	5	1	1	1	..	..
		Males....	8	93	68	14	14	7	5	8	3	2	....	1	1	..	..
		Females.	66	83	39	10	7	5	5	2	3	3	1	....	....	..	..
Bay.....	660	Totals...	198	537	308	98	57	32	26	26	11	11	9	4	3	..	..
		Males....	12	266	196	67	44	19	15	17	6	7	6	3	2	..	..
		Females.	186	271	112	31	13	13	11	9	5	4	3	1	1	..	..
Benzie.....	116	Totals...	51	77	53	7	18	8	5	5	6	1	....	1	....	..	..
		Males....	5	40	38	5	11	6	2	4	4	....	....	1	....	..	..
		Females.	46	37	15	2	7	2	3	1	2	1	....	....	....	..	..
Berrien.....	1,176	Totals...	334	847	500	308	166	80	49	26	18	7	10	7	....	..	..
		Males....	29	412	299	201	108	50	31	15	15	3	8	5	....	..	..
		Females.	305	435	201	107	58	30	18	11	3	4	2	2	....	..	..
Branch.....	298	Totals...	104	199	124	58	31	22	16	12	10	14	5	....	1	..	..
		Males....	18	100	79	35	16	11	9	10	5	9	5	....	1	..	..
		Females.	86	99	45	23	15	11	7	2	5	5	....	....	....	..	..
Calhoun.....	601	Totals...	157	504	259	108	57	34	25	22	14	8	8	2	4	..	..
		Males....	12	253	157	72	37	17	13	15	8	7	5	1	4	..	..
		Females.	145	251	102	36	20	17	12	7	6	1	3	1	....	..	..
Cass.....	240	Totals...	80	186	89	43	28	18	13	6	10	4	3	....	....	..	..
		Males....	5	106	46	32	17	12	7	4	7	2	2	....	....	..	..
		Females.	75	80	43	11	11	6	6	2	3	2	1	....	....	..	..
Charlevoix.....	135	Totals...	51	111	49	27	11	5	10	4	....	1	1	....	....	..	..
		Males....	3	57	37	19	7	3	6	2	....	....	1	....	....	..	..
		Females.	48	54	12	8	4	2	4	2	....	1	....	....	....	..	..
Cheboygan.....	153	Totals...	67	106	72	24	15	4	5	2	2	4	4	1	....	..	..
		Males....	7	52	53	18	9	3	3	1	1	3	2	1	....	..	..
		Females.	60	54	19	6	6	1	2	1	1	1	2	....	....	..	..
Chippewa.....	219	Totals...	62	189	105	46	19	10	4	1	2	....	....	....	....	..	..
		Males....	.....	86	73	37	10	8	3	....	2	....	....	....	....	..	..
		Females.	62	103	32	9	9	2	1	1	....	....	....	....	....	..	..

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

Counties.	Total marriages, 1903.	Sex.	Number of persons married, by periods of age, 1903.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
Clare	70	Totals	35	53	23	11	5	6	3	2	2	....	....	....	....	....	....
		Males	5	28	17	6	4	5	2	2	1	....	....	....	....	....	....
		Females	30	25	6	5	1	1	1	....	1	....	....	....	....	....	....
Clinton	254	Totals	86	228	102	27	17	17	9	6	6	2	6	2	....	....	....
		Males	11	109	78	16	9	11	3	5	4	2	5	1	....	....	....
		Females	75	119	24	11	8	6	6	1	2	....	1	1	....	....	....
Crawford	42	Totals	16	21	18	10	9	3	3	1	2	1	....	....	....	....	....
		Males	1	13	10	6	6	1	3	....	1	1	....	....	....	....	....
		Females	15	8	8	4	3	2	....	1	1	....	....	....	....	....	....
Delta	253	Totals	79	183	131	60	21	15	9	3	4	1	....	....	....	....	....
		Males	2	87	86	42	15	9	7	2	3	....	....	....	....	....	....
		Females	77	96	45	18	6	6	2	1	1	1	....	....	....	....	....
Dickinson	228	Totals	75	158	131	50	19	11	5	5	2	....	....	....	....	....	....
		Males	....	78	82	41	14	6	3	3	1	....	....	....	....	....	....
		Females	75	80	49	9	5	5	2	2	1	....	....	....	....	....	....
Eaton	333	Totals	133	267	117	44	28	25	20	15	4	7	4	1	1	....	....
		Males	14	154	75	27	12	15	13	12	1	6	2	1	1	....	....
		Females	119	113	42	17	16	10	7	3	3	1	2	....	....	....	....
Emmet	181	Totals	59	138	77	31	15	12	10	7	5	5	1	....	....	....	2
		Males	3	69	52	23	7	7	7	2	5	4	1	....	....	....	1
		Females	56	69	25	8	8	5	3	5	....	1	....	....	....	....	1
Genesee	432	Totals	135	357	163	64	50	28	17	13	9	12	6	8	2	....	....
		Males	6	185	112	34	34	18	12	10	5	3	4	7	2	....	....
		Females	129	172	51	30	16	10	5	3	4	9	2	1	....	....	....
Gladwin	68	Totals	36	50	19	12	9	2	3	2	2	....	....	1	....	....	....
		Males	3	24	16	11	8	1	2	1	1	....	....	1	....	....	....
		Females	33	26	3	1	1	1	1	1	1	....	....	....	....	....	....
Gogebic	254	Totals	76	231	131	40	21	5	....	1	1	....	1	....	....	....	1
		Males	6	104	92	29	15	5	....	1	1	....	1	....	....	....	....
		Females	70	127	39	11	6	....	....	....	....	....	....	....	....	....	1
Grand Traverse	273	Totals	93	200	115	51	28	22	9	10	5	5	3	4	1	....	....
		Males	9	100	77	35	16	13	4	6	5	4	2	2	....	....	....
		Females	84	100	38	16	12	9	5	4	....	1	1	2	1	....	....
Gratiot	344	Totals	141	295	124	40	27	14	19	14	6	2	4	1	1	....	....
		Males	12	169	83	26	19	6	10	10	5	1	2	....	1	....	....
		Females	129	126	41	14	8	8	9	4	1	1	2	1	....	....	....
Hillsdale	326	Totals	110	270	128	40	36	28	15	14	5	1	5	....	....	....	....
		Males	15	138	86	22	22	16	11	7	5	....	4	....	....	....	....
		Females	95	132	42	18	14	12	4	7	....	1	1	....	....	....	....
Houghton	675	Totals	202	579	345	115	54	23	13	11	5	3	....	....	....	....	....
		Males	11	279	232	84	35	16	6	5	5	2	....	....	....	....	....
		Females	191	300	113	31	19	7	7	6	....	1	....	....	....	....	....
Huron	273	Totals	82	222	144	59	16	8	9	4	1	....	1	....	....	....	....
		Males	5	97	98	44	13	4	8	2	1	....	1	....	....	....	....
		Females	77	125	46	15	3	4	1	2	....	....	....	....	....	....	....
Ingham	462	Totals	131	390	204	71	31	25	21	21	10	8	8	3	....	....	1
		Males	17	195	131	44	17	12	14	11	6	7	5	3	....	....	....
		Females	114	195	73	27	14	13	7	10	4	1	3	....	....	....	1
Ionia	383	Totals	98	304	165	76	40	27	17	9	15	7	2	3	3	....	....
		Males	8	148	98	49	27	17	11	2	11	6	1	3	2	....	....
		Females	90	156	67	27	13	10	6	7	4	1	1	....	1	....	....
Iosco	94	Totals	33	79	32	13	12	7	4	3	3	....	1	....	1	....	....
		Males	1	42	22	8	9	3	3	3	2	....	....	....	1	....	....
		Females	32	37	10	5	3	4	1	....	1	....	1	....	....	....	....

Table III.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

Counties.	Total marriages, 1903.	Sex.	Number of persons married, by periods of age, 1903.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
Iron	101	Totals	32	88	56	16	5	1	2	....	....	....	2	....	....	..	..
		Males	....	42	41	11	4	1	1	....	....	....	1	....	....	..	..
		Females	32	46	15	5	1	....	1	....	....	....	1	....	....	..	..
Isabella	237	Totals	97	198	92	32	21	8	9	7	3	6	1	....	....	..	..
		Males	9	110	59	23	14	6	5	5	2	3	1	....	....	..	..
		Females	88	88	33	9	7	2	4	2	1	3	....	....	....	..	..
Jackson	543	Totals	115	429	242	117	66	45	32	15	14	5	4	....	1	..	1
		Males	11	198	144	77	38	29	21	8	8	4	4	....	1	..	..
		Females	104	231	98	40	28	16	11	7	6	1	....	....	....	..	1
Kalamazoo	557	Totals	141	421	270	91	63	43	33	20	16	9	5	....	2	..	..
		Males	12	207	171	58	31	25	19	10	14	6	3	....	1	..	..
		Females	129	214	99	33	32	18	14	10	2	3	2	....	1	..	..
Kalkaska	81	Totals	44	52	30	10	4	9	4	4	1	1	3	....	....	..	..
		Males	6	32	18	7	4	6	4	1	....	1	2	....	....	..	..
		Females	38	20	12	3	....	3	....	3	1	....	1	....	....	..	..
Kent	1,584	Totals	360	1,344	717	275	167	110	75	39	36	18	16	6	3	1	1
		Males	28	645	432	181	101	66	49	25	28	9	13	4	2	1	..
		Females	332	699	285	94	66	44	26	14	8	9	3	2	1	..	1
Keweenaw	22	Totals	5	18	11	6	2	2	....	....	....	....	....	....	....	..	..
		Males	....	9	6	5	1	1	....	....	....	....	....	....	....	..	..
		Females	5	9	5	1	1	1	....	....	....	....	....	....	....	..	..
Lake	41	Totals	15	39	15	3	3	1	2	....	....	1	2	1	....	..	..
		Males	....	22	11	2	2	....	1	....	....	....	2	1	....	..	..
		Females	15	17	4	1	1	1	1	....	....	1	....	....	....	..	..
Lapeer	269	Totals	90	227	128	30	18	11	4	11	5	3	6	2	1	2	..
		Males	5	118	83	22	12	7	2	8	4	....	4	2	1	1	..
		Females	85	109	45	8	6	4	2	3	1	3	2	....	....	1	..
Leelanau	84	Totals	21	65	44	13	11	2	4	2	....	4	1	....	1	..	..
		Males	....	26	32	10	7	2	2	....	....	3	1	....	1	..	..
		Females	21	39	12	3	4	....	2	2	....	1	....	....	....	..	..
Lenawee	491	Totals	140	396	226	84	45	37	17	11	12	8	2	3	1	..	..
		Males	11	204	136	54	22	24	14	8	8	5	2	2	1	..	..
		Females	129	192	90	30	23	13	3	3	4	3	....	1	....	..	..
Livingston	168	Totals	46	135	69	36	14	14	5	4	3	5	4	1	....	..	..
		Males	5	64	43	24	11	8	3	....	3	3	3	1	....	..	..
		Females	41	71	26	12	3	6	2	4	....	2	1	....	....	..	..
Luce	31	Totals	6	21	23	3	4	3	1	1	....	....	....	....	....	..	..
		Males	....	10	12	3	3	1	1	1	....	....	....	....	....	..	..
		Females	6	11	11	....	1	2	....	....	....	....	....	....	....	..	..
Mackinac	72	Totals	29	42	36	14	7	5	6	3	2	....	....	....	....	..	..
		Males	....	21	25	10	7	3	3	1	2	....	....	....	....	..	..
		Females	29	21	11	4	....	2	3	2	....	....	....	....	....	..	..
Macomb	241	Totals	48	221	122	39	20	11	5	7	4	3	1	1	....	..	..
		Males	1	100	81	26	12	9	2	4	2	2	1	1	....	..	..
		Females	47	121	41	13	8	2	3	3	2	1	....	....	....	..	..
Manistee	243	Totals	80	182	112	49	18	18	17	6	2	2	....	....	....	..	..
		Males	5	91	69	36	14	12	9	5	1	1	....	....	....	..	..
		Females	75	91	43	13	4	6	8	1	1	1	....	....	....	..	..
Marquette	389	Totals	91	315	219	81	26	23	11	2	5	4	....	1	....	..	..
		Males	5	141	131	62	20	15	6	2	3	3	....	1	....	..	..
		Females	86	174	88	19	6	8	5	....	2	1	....	....	....	..	..
Mason	149	Totals	57	128	72	12	12	9	3	3	1	1	....	....	....	..	..
		Males	5	64	51	9	9	6	1	2	1	1	....	....	....	..	..
		Females	52	64	21	3	3	3	2	1	....	....	....	....	....	..	..

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

Counties.	Total marriages, 1903.	Sex.	Number of persons married, by periods of age, 1903.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
Mecosta	221	Totals	69	186	99	32	16	14	10	7	2	4	3	....	....	..	..
		Males	4	89	69	23	11	7	6	6	2	2	2	....	....	..	..
		Females	65	97	30	9	5	7	4	1	....	2	1	....	....	..	..
Menominee	403	Totals	131	316	190	72	41	20	17	4	10	3	2	....	....	..	..
		Males	5	148	131	54	27	14	10	2	10	2	....	....	....	..	..
		Females	126	168	59	18	14	6	7	2	....	1	2	....	....	..	..
Midland	147	Totals	57	120	49	28	8	8	6	9	4	3	....	1	....	1	..
		Males	2	68	32	18	7	5	5	4	3	2	....	1	....	..	..
		Females	55	52	17	10	1	3	1	5	1	1	....	....	....	1	..
Missaukee	97	Totals	42	78	40	8	13	5	3	1	1	1	2	....	....	..	..
		Males	5	39	31	6	7	3	2	1	1	1	1	....	....	..	..
		Females	37	39	9	2	6	2	1	....	....	....	1	....	....	..	..
Monroe	512	Totals	116	394	240	85	56	27	18	17	6	6	9	....	....	..	..
		Males	12	212	151	47	32	17	14	10	6	5	6	....	....	..	..
		Females	154	182	89	38	24	10	4	7	....	1	3	....	....	..	..
Montcalm	344	Totals	122	268	131	50	30	23	21	19	4	9	9	2	....	..	..
		Males	9	140	88	27	19	18	18	9	3	6	6	1	....	..	..
		Females	113	128	43	23	11	5	3	10	1	3	3	1	....	..	..
Montmorency	33	Totals	12	23	18	3	3	3	.....	1	2	1	....	....	....	..	..
		Males	.....	15	9	1	3	3	.....	....	1	1	....	....	....	..	..
		Females	12	8	9	2	.....	.....	.....	1	1	....	....	....	....	..	..
Muskegon	345	Totals	90	276	194	55	30	18	7	9	4	4	1	1	1	..	..
		Males	3	128	126	41	20	11	3	5	3	2	1	1	1	..	..
		Females	87	148	68	14	10	7	4	4	1	2	....	....	....	..	..
Newaygo	154	Totals	80	110	54	21	16	7	6	3	5	2	2	2	....	..	..
		Males	9	56	43	18	12	5	3	2	2	1	1	2	....	..	..
		Females	71	54	11	3	4	2	3	1	3	1	1	....	....	..	..
Oakland	375	Totals	71	297	182	73	43	26	21	15	11	4	5	1	1	..	..
		Males	5	130	109	50	26	16	15	8	10	2	3	....	1	..	..
		Females	66	167	73	23	17	10	6	7	1	2	2	1	....	..	..
Oceana	152	Totals	57	129	54	25	9	3	10	2	2	5	3	3	2	..	..
		Males	7	61	39	20	8	2	3	1	1	3	3	2	2	..	..
		Females	50	68	15	5	1	1	7	1	1	2	....	1	....	..	..
Ogemaw	73	Totals	36	55	27	17	6	1	2	1	1	....	....	....	....	..	..
		Males	2	34	18	11	4	1	1	1	1	....	....	....	....	..	..
		Females	34	21	9	6	2	.....	1	....	....	....	....	....	....	..	..
Ontonagon	69	Totals	24	52	33	11	10	4	1	2	....	1	....	....	....	..	..
		Males	.....	25	20	11	9	2	1	....	....	1	....	....	....	..	..
		Females	24	27	13	.....	1	2	.....	2	....	....	....	....	....	..	..
Osceola	167	Totals	60	125	81	33	13	5	7	2	6	....	1	....	....	1	..
		Males	1	64	53	24	11	4	4	1	3	....	1	....	....	1	..
		Females	59	61	28	9	2	1	3	1	3	....	....	....	....	..	..
Oscoda	14	Totals	5	10	4	5	2	.....	1	1	....	....	....	....	....	..	..
		Males	.....	6	3	3	1	.....	.....	1	....	....	....	....	....	..	..
		Females	5	4	1	2	1	.....	1	....	....	....	....	....	....	..	..
Otsego	73	Totals	40	59	26	12	3	3	3	....	....	....	....	....	....	..	..
		Males	2	36	20	9	2	1	3	....	....	....	....	....	....	..	..
		Females	38	23	6	3	1	2	.....	....	....	....	....	....	....	..	..
Ottawa	438	Totals	107	372	222	66	41	30	19	6	4	4	4	1	....	..	..
		Males	8	171	144	43	27	17	15	2	4	4	2	1	....	..	..
		Females	99	201	78	23	14	13	4	4	....	....	2	....	....	..	..
Presque Isle	94	Totals	46	83	31	6	8	5	6	2	1	....	....	....	....	..	..
		Males	1	49	25	5	5	3	3	2	1	....	....	....	....	..	..
		Females	45	34	6	1	3	2	3	....	....	....	....	....	....	..	..

Table II.—Concluded.—Persons married in Michigan, by ages, counties and sex, during the year 1903.

Counties.	Total marriages, 1903.	Sex.	Number of persons married, by periods of age, 1903.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
Roscommon....	17	Totals...	10	10	6	1	1	2	.....	....	3	1	....	....	....	..	..
		Males....	1	6	6	1	.....	1	.....	....	1	1	....	....	....	..	..
		Females.	9	4	.....	.....	1	1	.....	....	2	....	....	....	....	..	..
Saginaw.....	821	Totals...	209	653	386	154	92	56	34	21	16	15	4	2	....	..	..
		Males....	13	309	239	104	56	34	26	14	11	9	4	2	....	..	..
		Females.	196	344	147	50	36	22	8	7	5	6	....	....	....	..	..
St. Clair.....	551	Totals...	116	440	288	105	65	30	17	19	9	8	5	....	....	..	..
		Males....	6	190	191	62	44	24	10	10	5	5	4	....	....	..	..
		Females.	110	250	97	43	21	6	7	9	4	3	1	....	....	..	..
St. Joseph.....	248	Totals...	74	182	103	38	36	16	14	13	10	6	1	3	....	..	..
		Males....	6	97	61	25	20	6	10	9	6	5	....	3	....	..	..
		Females.	68	85	42	13	16	10	4	4	4	1	1	....	....	..	..
Sanilac.....	310	Totals...	91	259	136	59	27	12	15	6	6	4	2	2	1	..	..
		Males....	4	121	88	42	21	10	10	4	4	2	2	1	1	..	..
		Females.	87	138	48	17	6	2	5	2	2	2	....	1	....	..	..
Schoolcraft.....	80	Totals...	23	59	35	15	16	7	1	3	....	1	....	....	....	..	..
		Males....	1	27	24	10	11	4	.....	2	....	1	....	....	....	..	..
		Females.	22	32	11	5	5	3	1	1	....	....	....	....	....	..	..
Shiawassee.....	378	Totals...	107	298	180	67	45	27	8	5	5	4	6	2	2	..	..
		Males....	9	143	116	39	33	20	2	4	1	4	3	2	2	..	..
		Females.	98	155	64	28	12	7	6	1	4	....	3	....	....	..	..
Tuscola.....	357	Totals...	137	298	142	50	38	19	8	5	8	4	....	3	1	..	1
		Males....	9	160	99	30	27	13	6	3	6	2	....	1	1	..	..
		Females.	128	138	43	20	11	6	2	2	2	2	....	2	....	..	1
Van Buren.....	355	Totals...	129	285	139	51	31	19	15	15	9	5	8	3	....	1	..
		Males....	14	153	87	35	22	13	5	12	3	3	5	2	....	1	..
		Females.	115	132	52	16	9	6	10	3	6	2	3	1	....	..	..
Washtenaw....	345	Totals...	60	237	208	87	30	21	20	8	6	9	2	2	....	..	..
		Males....	6	105	119	50	21	16	10	4	4	6	2	2	....	..	..
		Females.	54	132	89	37	9	5	10	4	2	3	....	....	....	..	..
Wayne.....	3,673	Totals...	787	2,936	1,969	763	373	207	136	75	43	35	17	4	1	..	..
		Males....	37	1,362	1,205	492	242	122	83	55	29	26	16	3	1	..	..
		Females.	750	1,574	764	271	131	85	53	20	14	9	1	1	....	..	..
Wexford.....	197	Totals...	80	142	91	38	16	7	6	8	2	3	....	....	1	..	..
		Males....	5	79	58	30	8	5	3	5	1	2	....	....	1	..	..
		Females.	75	63	33	8	8	2	3	3	1	1	....	....	....	..	..

Table III.—Marriages and persons married in Michigan, by nativity and counties, during the year 1903.

State and counties.	Total marriages, 1903.	(a) Marriages, by nativity, 1903.								(b) Persons married, by nativity, 1903.						
		Both native born.	Both foreign born.	Foreign male, native female.	Foreign female, native male.	Female unk.		Male unk.		Both unknown.	Native born.		Foreign born.		Unk.	
						Male.		Female.								
						Native.	Foreign born.	Native.	Foreign born.		Males.	Females.	Males.	Females.	Males.	Females.
STATE	26,029	17,137	3,344	3,224	1,934	313	58	14	3	2	19,384	20,375	6,626	5,281	19	373
Alcona	40	21	5	8	6	....	....	....	....	....	27	29	13	11	....	....
Alger	49	22	8	12	6	1	....	....	....	....	29	34	20	14	....	1
Allegan	362	312	8	17	23	2	....	....	....	....	337	329	25	31	....	2
Alpena	188	80	39	47	17	3	2	....	....	....	100	127	88	56	....	5
Antrim	133	88	15	11	12	2	4	....	1	....	102	99	30	28	1	6
Arenac	95	50	13	22	6	4	....	....	....	....	60	72	35	19	....	4
Baraga	49	17	21	9	2	....	....	....	....	....	19	26	30	23	....	....
Barry	224	206	....	5	7	6	....	....	....	....	219	211	5	7	....	6
Bay	660	380	83	122	74	1	....	....	....	....	455	502	205	157	....	1
Benzie	116	82	5	16	7	6	....	....	....	....	95	98	21	12	....	6
Berrien	1,176	831	131	116	81	14	3	....	....	....	926	947	250	212	....	17
Branch	298	272	....	15	8	3	....	....	....	....	283	287	15	8	....	3
Calhoun	601	498	9	41	24	28	1	....	....	....	550	539	51	33	....	29
Cass	240	212	2	11	3	9	1	2	....	....	224	225	14	5	2	10
Charlevoix	135	92	10	17	12	3	....	1	....	....	107	110	27	22	1	3
Cheboygan	153	91	12	31	19	....	....	....	....	....	110	122	43	31	....	....
Chippewa	219	57	82	43	34	2	1	....	....	....	93	100	126	116	....	3
Clare	70	40	3	12	5	9	....	....	....	1	54	52	15	8	1	10
Clinton	254	238	3	6	7	....	....	....	....	....	245	244	9	10	....	....
Crawford	42	28	4	6	4	....	....	....	....	....	32	34	10	8	....	....
Delta	253	108	76	43	20	2	2	1	1	....	130	152	121	97	2	4
Dickinson	228	50	134	29	13	....	2	....	....	....	63	79	165	147	....	2
Eaton	333	319	4	5	5	....	....	....	....	....	324	324	9	9	....	....
Emmet	181	134	11	22	14	....	....	....	....	....	148	156	33	25	....	....
Genesee	432	350	28	28	17	9	....	....	....	....	376	378	56	45	....	9
Gladwin	68	45	8	7	7	1	....	....	....	....	53	52	15	15	....	1
Gogebic	254	43	176	22	10	3	....	....	....	....	56	65	198	186	....	3
Grand Traverse	273	206	13	30	22	1	1	....	....	....	229	236	44	35	....	5
Gratiot	344	284	3	11	17	26	3	....	....	....	327	295	17	20	....	20
Hillsdale	326	293	....	16	10	7	....	....	....	....	310	309	16	10	....	7
Houghton	675	191	328	106	47	3	....	....	....	....	241	297	434	375	....	3
Huron	273	124	48	62	36	2	1	....	....	....	162	186	111	84	....	3
Ingham	462	392	14	29	20	5	2	....	....	....	417	421	45	34	....	7
Ionia	383	326	7	23	20	6	1	....	....	....	352	349	31	27	....	7
Iosco	94	51	12	23	7	1	....	....	....	....	59	74	35	19	....	1
Iron	101	16	68	12	5	....	....	....	....	....	21	28	80	73	....	....
Isabella	237	189	7	30	8	2	1	....	....	....	199	219	38	15	....	3
Jackson	543	450	24	37	20	11	1	....	....	....	481	487	62	44	....	12
Kalamazoo	557	455	33	37	30	2	....	....	....	....	487	492	70	63	....	2
Kalkaska	81	70	....	6	5	....	....	....	....	....	75	76	6	5	....	....
Kent	1,584	1,025	225	216	116	1	....	1	....	....	1,142	1,242	441	341	1	1
Keweenaw	22	2	14	4	2	....	....	....	....	....	4	6	18	16	....	....
Lake	41	28	5	7	1	....	....	....	....	....	29	35	12	6	....	....
Lapeer	269	209	12	27	21	....	....	....	....	....	230	236	39	33	....	....
Leelanau	84	53	10	13	8	....	....	....	....	....	61	66	23	18	....	....
Lenawee	491	435	9	25	12	8	2	....	....	....	455	460	36	21	....	10
Livingston	168	144	3	17	3	1	....	....	....	....	148	161	20	6	....	1
Luce	31	7	16	7	1	....	....	....	....	....	8	14	23	17	....	....
Mackinac	72	35	13	12	7	2	1	1	1	....	44	48	26	21	2	3

Table III.—Concluded.—Marriages and persons married in Michigan, by nativity and counties, during the year 1903.

Counties.	Total marriages, 1903.	(a) Marriages, by nativity, 1903.									(b) Persons married, by nativity, 1903.					
		Both native born.	Both foreign born.	Foreign male, native female.	Foreign female, native male.	Female unk.		Male unk.		Both unknown.	Native born.		Foreign born.		Unk.	
						Male.		Female.								
						Native.	Foreign born.	Native.	Foreign born.		Males.	Females.	Males.	Females.	Males.	Females.
Macomb	241	180	15	31	11	1	3	....	....	....	192	211	49	26	....	4
Manistee	243	128	35	52	25	2	1	....	....	....	155	180	88	60	....	3
Marquette	389	114	187	58	29	1	....	....	....	....	144	172	245	216	....	1
Mason	149	106	9	20	9	3	1	1	....	....	118	127	30	18	1	4
Mecosta	221	177	5	31	8	....	....	....	....	....	185	208	36	13	....	....
Menominee	403	227	60	69	24	14	8	1	....	....	265	297	137	84	1	22
Midland	147	114	6	19	8	....	....	....	....	....	122	133	25	14	....	....
Missaukee	97	69	7	16	4	1	....	....	....	....	74	85	23	11	....	1
Monroe	512	437	7	32	22	12	1	1	....	....	471	470	40	29	1	13
Montcalm	344	270	11	40	16	6	....	1	....	....	292	311	51	27	1	6
Montmorency	33	18	3	9	2	1	....	....	....	....	21	27	12	5	....	1
Muskegon	345	222	37	52	34	....	....	....	....	....	256	274	89	71	....	....
Newaygo	154	127	1	20	6	....	....	....	....	....	133	147	21	7	....	....
Oakland	375	258	15	35	35	24	7	1	....	....	317	294	57	50	1	31
Oceana	152	120	4	9	9	9	....	....	....	1	138	129	13	13	1	10
Ogemaw	73	37	8	19	7	2	....	....	....	....	46	56	27	15	....	2
Ontonagon	69	29	24	10	6	....	....	....	....	....	35	39	34	30	....	....
Osceola	167	112	11	24	15	4	1	....	....	....	131	136	36	26	....	5
Oscoda	14	9	....	1	1	3	....	....	....	....	13	10	1	1	....	3
Otsego	73	50	6	10	7	....	....	....	....	....	57	60	16	13	....	....
Ottawa	438	290	39	60	42	5	1	1	....	....	337	351	100	81	1	6
Presque Isle	94	57	7	15	12	2	1	....	....	....	71	72	23	19	....	3
Roscommon	17	13	2	2	....	....	....	....	....	....	13	15	4	2	....	....
Saginaw	821	530	81	135	68	7	....	....	....	....	605	665	216	149	....	7
St. Clair	551	302	86	87	68	7	1	....	....	....	377	389	174	154	....	8
St. Joseph	248	215	4	14	10	5	....	....	....	....	230	229	18	14	....	5
Sanilac	310	168	36	72	34	....	....	....	....	....	202	240	108	70	....	....
Schoolcraft	80	29	26	14	11	....	....	....	....	....	40	43	40	37	....	....
Shiawassee	378	313	7	30	23	4	1	....	....	....	340	343	38	30	....	5
Tuscola	357	256	14	49	35	2	1	....	....	....	293	305	64	49	....	3
Van Buren	355	320	3	17	12	2	....	1	....	....	334	338	20	15	1	2
Washtenaw	345	272	14	31	25	3	....	....	....	....	300	303	45	39	....	3
Wayne	3,673	1,782	802	646	440	1	1	1	....	....	2,223	2,429	1,449	1,242	1	2
Wexford	197	135	18	22	15	6	1	....	....	....	156	157	41	33	....	7

Table IV.—Marriages in Michigan, by ages of males and females married during the year 1903.

Ages of males married, 1903.	Ages of females married, 1903.															Total males.	Per cent of males at each age.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.		
Under 20	444	94	8	....	1	....	....	....	....	....	....	....	....	....	....	547	2.1
20 to 24	4,425	5,135	530	43	14	4	1	....	....	....	....	....	....	....	2	10,154	39.0
25 to 29	1,644	3,731	2,039	236	56	8	2	....	....	1	....	....	....	....	2	7,719	29.7
30 to 34	354	1,054	1,010	532	118	21	3	....	....	....	....	....	....	....	1	3,093	11.9
35 to 39	112	354	474	355	261	69	33	8	1	....	....	....	....	....	....	1,667	6.4
40 to 44	35	122	180	214	195	143	43	14	2	....	....	....	....	....	....	948	3.6
45 to 49	14	49	73	91	138	146	96	35	3	5	....	....	....	....	....	650	2.5
50 to 54	4	13	28	45	67	93	90	71	11	7	3	....	....	....	....	432	1.7
55 to 59	7	5	10	18	38	55	76	50	55	20	4	1	....	....	....	339	1.3
60 to 64	1	2	5	7	13	26	35	48	36	32	5	2	....	....	....	212	0.8
65 to 69	....	1	4	6	7	13	13	26	25	32	29	5	....	....	....	161	0.6
70 to 74	....	....	1	1	2	2	8	7	8	19	12	3	2	1	....	66	0.3
75 to 79	....	....	....	....	....	2	1	3	4	3	10	9	3	....	....	35	0.1
80 and over	....	....	....	....	....	....	....	....	1	....	2	1	....	1	....	5	....
Unknown	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....
Total females	7,040	10,560	4,362	1,548	910	582	401	262	146	119	65	21	5	2	6	26,029	....
Per cent	27.0	40.6	16.8	5.9	3.5	2.2	1.5	1.0	0.6	0.5	0.2	0.1	....	....	....	....	100.0

Table V.—Probate marriages in Michigan, by ages of males and females, married during the year 1903.

Ages of males married by judges of probate, 1903.	Ages of females married by judges of probate, 1903.														Total males.	Per cent of males at each age.
	Ages under 20 years.							Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	45 to 49.	50 to 54.		
	13.	14.	15.	16.	17.	18.	19.									
Ages under 20: 15	....	....	1	....	1	....	....	*2*	....	....	....	....	....	....	2	3.0
Ages under 20: 16	....	....	1	2	2	1	....	*6*	....	....	....	....	....	....	6	9.1
Ages under 20: 17	....	....	3	1	2	1	....	7	2	....	....	....	....	....	9	13.6
Ages under 20: 18	....	2	1	....	....	1	....	*4*	....	....	....	....	....	....	4	6.1
Ages under 20: 19	....	....	2	....	....	1	1	*4*	....	....	....	....	....	....	4	6.1
Under 20	....	*1*	*8*	*3*	*5*	*4*	*1*	***23***	2	....	....	....	....	....	***25***	***37.9***
20 to 24	....	3	8	2	1	2	3	*19*	4	....	....	....	....	....	23	34.8
25 to 29	1	1	2	1	....	....	1	*6*	2	1	....	....	....	....	9	13.6
30 to 34	....	....	....	....	....	....	....	....	3	....	....	....	....	....	3	4.5
35 to 39	....	....	1	....	....	....	....	1	....	....	....	....	....	....	1	1.5
40 to 44	....	....	....	....	....	....	....	....	....	1	....	1	....	....	2	3.0
45 to 49	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1.5
50 to 54	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
55 to 59	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
60 to 64	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1.5
70 to 74	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1.5
Total females	1	6	19	6	6	6	5	*49*	11	2	....	1	1	2	66	....
Per cent	1.5	9.1	28.8	9.1	9.1	9.1	7.6	*74.2*	16.7	3.0	....	1.5	1.5	3.0	....	100.0

NOTE.—Figures in **bold face** indicate marriages at illegal ages, under the general laws of the State, for one or both parties. The 66 marriages performed by judges of probate in Michigan during the year 1903 were distributed by months as follows: January, 5; February, 4; March, 11; April, 9; May, 1; June, 9; July, 7; August, 7; September, 2; October, 6; November, 3; December, 2. All were white with the exception of one couple. By nativity there were 52 couples both native born; 3 couples both foreign born; 8 couples with foreign male and native female; 3 couples with foreign female and native male. These marriages were returned from 37 counties, the largest number reported from a county being 7. They are not included in the preceding tables of marriages.

TABLES

RELATING TO

DIVORCES

AND

CAUSES OF DIVORCE

IN

MICHIGAN

DURING THE

YEAR 1903

PRIMARY TABLES RELATING TO DIVORCES AND CAUSES OF DIVORCE IN MICHIGAN DURING THE YEAR 1903.

TABLE I.—Divorce business in Michigan, by counties, during the year 1903, showing, according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

TABLE II.—Divorces in Michigan, by counties and sex of complainant, during the year 1903, showing place of marriage, number of children in family, and duration of marriage before divorce.

TABLE III.—Causes of divorce in Michigan, by sex of complainant, during the year 1903, showing place of marriage, number of children in family, and duration of marriage before divorce.

NOTE.—*Secondary tables*, containing divorce rates, etc., will be found on preceding pages of this Report, together with the descriptive text.

Table I.—Divorce business in Michigan, by counties, during the year 1903, showing, according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

State and counties.	Number of bills pending on January 1, 1903.	Number of bills filed during 1903.	Number of divorces granted during 1903.	Number of divorces refused, 1903.	Number of cases withdrawn, etc., 1903.	Number of bills pending on December 31, 1903.	Total number of cases, 1903.	Number of cases contested, 1903.
STATE	5,523	4,391	2,945	40	226	6,703	9,914	464
Alcona	0	4	1	0	1	2	4	0
Alger	21	8	3	.....	1	25	29	.....
Allegan	118	49	50	0	5	112	167	.....
Alpena	40	18	13	0	0	45	58	.....
Antrim	37	25	*22	0	2	38	62	.....
Arenac	9	7	6	.....	1	9	16	.....
Baraga	1	5	2	0	.....	4	6	1
Barry	36	60	50	0	5	41	96	39
Bay	80	55	41	1	1	92	135	14
Benzie	9	21	10	.....	.....	20	30	.....
Berrien	164	86	67	1	5	177	250	21
Branch	85	52	36	.....	4	97	137	1
Calhoun	178	144	82	2	4	234	322	10
Cass	30	53	43	0	5	35	83	10
Charlevoix	41	13	10	0	0	44	54	4
Cheboygan	26	28	14	0	1	39	54	.....
Chippewa	44	45	17	1	3	68	89	5
Clare	6	8	5	.....	2	7	14	.....
Clinton	105	40	23	0	11	111	145	11
Crawford	3	2	2	.....	.....	3	5	0
Delta	46	33	29	.....	.....	50	79	.....
Dickinson	8	10	2	.....	.....	16	18	1
Eaton	54	84	65	0	2	71	138	6
Emmet	46	38	24	0	1	59	84	0
Genesee	222	106	65	2	12	249	328	.....
Gladwin	13	2	3	0	0	12	15	.....
Gogebic	48	14	11	0	0	51	62	.....
Grand Traverse	66	45	30	.....	1	80	111	1
Gratiot	87	85	48	3	5	116	172	1
Hillsdale	43	49	35	1	6	50	92	.....
Houghton	60	38	21	0	2	75	98	3
Huron	13	21	14	1	6	13	34	1
Ingham	174	67	47	1	1	192	241	5
Ionia	145	92	56	.....	11	170	237	.....
Iosco	11	13	7	0	0	17	24	.....
Iron	12	3	4	0	0	11	15	0
Isabella	31	39	29	0	3	38	70	1
Jackson	37	109	*73	1	3	69	146	1
Kalamazoo	44	137	92	2	6	81	181	44
Kalkaska	30	18	12	.....	.....	36	48	1
Kent, Superior Circuit	33	17	14	1	.....	35	50	5
	548	375	*257	.....	.....	666	923	.....
Keweenaw	3	0	2	0	0	1	3	.....
Lake	2	2	4	0	0	0	4	0
Lapeer	60	35	21	.....	.....	74	95	8
Leelanau	1	4	1	0	0	4	5	0
Lenawee	153	77	59	0	5	166	230	0
Livingston	14	35	25	0	6	18	49	5
Luce	0	0	0	0	0	0	0	0
Mackinac	10	6	6	0	0	10	16	0
Macomb	88	59	39	0	4	104	147	20
Manistee	32	20	12	.....	.....	40	52	1
Marquette	32	20	15	0	0	37	52	6
Mason	15	27	21	.....	3	18	42	3
Mecosta	39	25	16	1	1	46	64	.....

Table I.—Concluded.—Divorce business in Michigan, by counties during the year 1903, showing, according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

Counties.	Number of bills pending on January 1, 1903.	Number of bills filed during 1903.	Number of divorces granted during 1903.	Number of divorces refused, 1903.	Number of cases withdrawn, etc., 1903.	Number of bills pending on December 31, 1903.	Total number of cases, 1903.	Number of cases contested, 1903.
Menominee	19	23	17	1	0	24	42	3
Midland	10	20	18	0	0	12	30	2
Missaukee	22	19	15	1	10	15	41	0
Monroe	26	35	21	0	6	34	61	2
Montcalm	85	56	40	0	3	98	141	12
Montmorency	4	4	3	0	0	5	8	0
Muskegon	88	80	50	.....	4	114	168	3
Newaygo	14	20	*17	.....	.....	17	34	2
Oakland	48	96	61	.....	8	75	144	.....
Oceana	42	38	30	.....	5	45	80	5
Ogemaw	6	10	4	0	1	11	16	3
Ontonagon	1	7	6	0	0	2	8	0
Osceola	22	19	14	.....	1	26	41	1
Oscoda	2	1	1	.....	1	1	3	.....
Otsego	4	7	5	1	.....	5	11	1
Ottawa	48	31	18	0	2	59	79	6
Presque Isle	12	13	8	0	1	16	25	.....
Roscommon	1	8	3	0	.....	6	9	6
Saginaw	241	189	112	0	5	313	430	4
St. Clair	272	114	56	1	6	323	386	42
St. Joseph	14	26	16	.....	2	22	40	5
Sanilac	43	31	27	0	1	46	74	.....
Schoolcraft	6	15	7	2	1	11	21	2
Shiawassee	106	118	75	1	2	146	224	5
Tuscola	27	59	41	.....	2	43	86	4
Van Buren	114	73	57	.....	2	128	187	16
Washtenaw	80	89	55	6	.....	108	169	11
Wayne	839	724	478	9	30	1,046	1,563	95
Wexford	74	38	34	.....	4	74	112	.....
1902	4,857	4,183	2,828	43	280	5,889	9,040	421
1901	3,907	3,883	2,448	47	256	5,039	7,790	389
1900	3,397	3,477	2,435	29	520	3,890	6,874	451
1899	2,959	3,589	2,328	35	173	4,012	6,548	503
1898	2,475	2,898	1,901	21	128	3,323	5,373	432

* Statement of county clerk in Summary does not agree with number of divorces granted as returned by him in Schedule and compiled in the following tables.

Table II.—Divorces in Michigan, by counties and sex of complainant, during the year before

State and counties.	Sex of complainants.	Complainants in divorces granted, 1903.	Place of marriage.						Number of children.										
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
STATE	Totals	2,941	2,321	151	174	207	44	44	1,420	664	393	165	110	55	29	15	6	3	5
	Males	823	630	37	72	49	19	16	464	148	106	35	25	13	5	4	4	..	....
	Females	2,118	1,091	114	102	158	25	28	956	516	287	130	85	42	24	11	2	3	5
Alcona	Totals	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	..	..	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	....
	Females	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	..	..	....
Alger	Totals	3	2	....	1	....	....	....	2	....	1	....	....	....	....	....	..	..	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	....
	Females	3	2	....	1	....	....	....	2	....	1	....	....	....	....	....	..	..	....
Allegan	Totals	50	42	6	2	....	....	....	18	11	13	3	4	....	....	....	..	..	....
	Males	11	10	....	1	....	....	....	4	2	4	1	....	....	....	....	..	..	....
	Females	39	32	6	1	....	....	....	14	9	9	2	4	....	....	....	..	..	....
Alpena	Totals	13	7	1	2	2	....	1	6	4	1	1	....	....	1	....	..	..	....
	Males	4	1	....	2	....	....	1	3	1	....	....	....	....	....	....	..	..	....
	Females	9	6	1	....	2	....	....	3	3	1	1	....	....	1	....	..	..	....
Antrim	Totals	21	18	....	2	1	....	....	12	3	4	2	....	....	....	....	..	..	....
	Males	8	6	....	2	....	....	....	6	....	2	....	....	....	....	....	..	..	....
	Females	13	12	....	....	1	....	....	6	3	2	2	....	....	....	....	..	..	....
Arenac	Totals	6	6	....	....	....	....	....	5	1	....	....	....	....	....	....	..	..	....
	Males	3	3	....	....	....	....	....	3	....	....	....	....	....	....	....	..	..	....
	Females	3	3	....	....	....	....	....	2	1	....	....	....	....	....	....	..	..	....
Baraga	Totals	2	2	....	....	....	....	....	1	....	....	....	1	....	....	....	..	..	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	..	....
	Females	2	2	....	....	....	....	....	1	....	....	....	1	....	....	....	..	..	....
Barry	Totals	50	45	2	2	....	....	1	24	8	8	4	....	4	1	....	..	..	1
	Males	17	16	....	1	....	....	....	10	1	3	1	....	2	....	....	..	..	....
	Females	33	29	2	1	....	....	1	14	7	5	3	....	2	1	....	..	..	1
Bay	Totals	41	36	1	2	1	1	....	20	5	7	1	6	1	....	....	1	..	....
	Males	9	6	1	1	1	....	....	6	1	....	....	1	....	....	....	1	..	....
	Females	32	30	....	1	....	1	....	14	4	7	1	5	1	....	....	..	..	....
Benzie	Totals	10	10	....	....	....	....	....	5	2	3	....	....	....	....	....	..	..	....
	Males	3	3	....	....	....	....	....	1	1	1	....	....	....	....	....	..	..	....
	Females	7	7	....	....	....	....	....	4	1	2	....	....	....	....	....	..	..	....
Berrien	Totals	67	47	10	7	1	1	1	34	14	7	3	3	2	....	....	..	1	....
	Males	23	17	2	4	....	....	....	18	4	....	1	....	....	....	....	..	..	....
	Females	44	30	8	3	1	1	1	16	10	7	2	3	2	....	....	..	1	....
Branch	Totals	36	27	4	5	....	....	....	19	8	4	2	3	....	....	....	..	..	....
	Males	14	11	....	3	....	....	....	8	3	2	....	1	....	....	....	..	..	....
	Females	22	16	4	2	....	....	....	11	5	2	2	2	....	....	....	..	..	....
Calhoun	Totals	82	66	3	10	2	1	....	46	18	9	6	....	1	....	1	..	..	....
	Males	22	18	2	2	....	....	....	13	3	2	2	....	....	....	1	..	..	....
	Females	60	48	1	8	2	1	....	33	15	7	4	....	1	....	....	..	..	....
Cass	Totals	43	38	4	....	....	....	1	21	13	5	3	....	1	....	....	..	..	....
	Males	10	9	....	....	....	....	1	6	2	....	1	....	1	....	....	..	..	....
	Females	33	29	4	....	....	....	....	15	11	5	2	....	....	....	....	..	..	....
Charlevoix	Totals	10	9	....	....	....	....	1	4	3	2	....	....	....	1	....	..	..	....
	Males	4	4	....	....	....	....	....	1	2	1	....	....	....	....	....	..	..	....
	Females	6	5	....	....	....	....	1	3	1	1	....	....	....	1	....	..	..	....
Cheboygan	Totals	14	13	....	1	....	....	....	4	4	2	1	2	1	....	....	..	..	....
	Males	5	5	....	....	....	....	....	3	....	1	....	1	....	....	....	..	..	....
	Females	9	8	....	1	....	....	....	1	4	1	1	1	1	....	....	..	..	....

1903, showing place of marriage, number of children in family, and duration of marriage divorce.

dren in family.					Duration of marriage before divorce.																	
11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
1	....	1	1	73	82	162	184	251	214	893	740	551	294	215	124	68	27	11	4	1	....	13
....	....	....	....	19	26	50	59	59	63	257	219	148	63	48	40	23	14	5	1	....	....	5
1	....	1	1	54	56	112	125	192	151	636	521	403	231	167	84	45	13	6	3	1	....	8
....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	2	....	2	....	1	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	2	....	2	....	1	....	....	....	....	....	....	....	....	....	....
....	....	....	....	1	....	1	2	4	5	12	16	7	7	4	1	1	1	1	....	....	....	....
....	....	....	....	....	....	1	....	2	1	4	2	1	2	....	1	1	....	....	....	....	....	....
....	....	....	....	1	....	....	2	2	4	8	14	6	5	4	....	....	1	1	....	....	....	....
....	....	....	....	....	....	....	....	1	2	3	5	3	....	....	1	....	1	....	....	....	....	....
....	....	....	....	....	....	....	....	....	1	1	1	2	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	1	1	2	4	1	....	....	1	....	1	....	....	....	....	....
....	....	....	....	....	1	2	1	3	2	9	5	2	2	1	1	1	....	....	....	....	....	....
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....	....	....	....	....	1	....	1	2	1	5	2	2	2	1	1	....	....	....	....	....	....	....
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....	....	....	....	....	5	5	1	4	2	17	12	4	5	4	4	1	2	1	....	....	....	....
....	....	....	....	....	2	2	1	....	1	6	4	....	2	2	1	1	....	1	....	....	....	....
....	....	....	....	....	3	3	....	4	1	11	8	4	3	2	3	....	2	....	....	....	....	....
....	....	....	....	....	1	1	5	1	2	10	11	8	7	3	1	....	....	1	....	....	....	....
....	....	....	....	....	....	....	2	....	2	4	2	1	1	....	....	....	....	1	....	....	....	....
....	....	....	....	....	1	1	3	1	....	6	9	7	6	3	1	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	5	1	1	....	1	1	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	3	1	1	....	....	1	....	....	....	....	....	....
....	....	....	1	2	4	5	6	3	3	21	18	11	8	3	2	2	....	....	....	....	....	2
....	....	....	....	....	1	4	2	2	1	10	7	3	....	2	....	....	....	....	....	....	....	1
....	....	....	1	2	3	1	4	1	2	11	11	8	8	1	2	2	....	....	....	....	....	1
....	....	....	....	....	....	1	5	3	2	11	13	8	2	....	2	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	1	....	1	9	3	....	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	1	5	2	2	10	4	5	2	....	1	....	....	....	....	....	....	....
....	....	....	....	1	....	3	9	7	6	25	23	17	5	7	1	2	....	....	1	....	....	1
....	....	....	....	1	....	1	1	3	4	9	6	3	2	1	....	1	....	....	....	....	....	....
....	....	....	....	....	....	2	8	4	2	16	17	14	3	6	1	1	....	....	1	....	....	1
....	....	....	....	....	....	3	5	3	1	12	16	4	4	4	1	....	1	....	....	....	....	1
....	....	....	....	....	....	2	2	....	....	4	3	....	....	....	1	....	1	....	....	....	....	1
....	....	....	....	....	....	1	3	3	1	8	13	4	4	4	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	....	1	3	2	1	1	....	2	....	1	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	....	1	3	1	....	....	....	1	....	1	....	....	....	....	....
....	....	....	....	....	....	....	1	....	2	3	6	1	1	3	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	1	....	1	2	2	....	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	1	1	4	1	1	2	....	....	....	....	....	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complain-

Counties.	Sex of complainants.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chil-										
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Chippewa	Totals	17	12		1	2	1	1	11	3		1	2						
	Males	8	5		1	1		1	4	2		1	1						
	Females	9	7			1	1		7	1			1						
Clare	Totals	5	5						2	1	1					1			
	Males	2	2							1	1								
	Females	3	3						2							1			
Clinton	Totals	23	22			1			15	4	3		1						
	Males	5	5						3	2									
	Females	18	17			1			12	2	3		1						
Crawford	Totals	2	2						2										
	Males																		
	Females	2	2						2										
Delta	Totals	29	10	3	3	5	2			5	4	3	2						
	Males	3	1		1	1				1			1						
	Females	26	15	3	2	4	2			4	4	3	1						
Dickinson	Totals	2	1		1				1		1								
	Males																		
	Females	2	1		1				1		1								
Eaton	Totals	65	59		5			1	38	11	6	3	4	2					
	Males	19	18		1				12	5			2						
	Females	46	41		4			1	26	6	6	3	2	2					
Emmet	Totals	24	20		1	1		2		7	1		3		2				
	Males	9	8					1		2			1		2				
	Females	15	12		1	1		1		5	1		2						
Genesee	Totals	65	55	2	3	4		1	34	13	11	3	2	1	1				
	Males	19	14		2	3			9	3	5	2							
	Females	46	41	2	1	1		1	25	10	6	1	2	1	1				
Gladwin	Totals	3	2			1			1	1				1					
	Males																		
	Females	3	2			1			1	1				1					
Gogebic	Totals	11	3	5			2	1	6	3		2							
	Males	5		2			2	1	4			1							
	Females	6	3	3					2	3		1							
Grand Traverse	Totals	30	23	3	2	2			14	5	4	4	2		1				
	Males	12	8	1	1	2			7		2	2			1				
	Females	18	15	2	1				7	5	2	2	2						
Gratiot	Totals	48	41	2	5				28	4	7		5	2	1		1		
	Males	13	12		1				8		4		1						
	Females	35	29	2	4				20	4	3		4	2	1		1		
Hillsdale	Totals	35	31	3	1				12	9	9	2	1	1					
	Males	8	7		1				3	3	1	1							
	Females	27	24	3					9	6	8	1	1	1					
Houghton	Totals	21	14		1		2	4	9	4	3	1	2	1	1				
	Males	8	5		1			2	5	1	1	1							
	Females	13	9				2	2	4	3	2		2	1	1				
Huron	Totals	14	10					4	7	5	1					1			
	Males	4	4						3		1								
	Females	10	6					4	4	5						1			
Ingham	Totals	47	46		1				24	10	6	3		1					
	Males	11	11						8	2	1								
	Females	36	35		1				16	8	5	3		1					

ant, number of children in family and duration of marriage before divorce.

dren in family.					Duration of marriage before divorce.																	
11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	....	....	1	1	2	3	7	4	3	2	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	1	2	3	2	....	2	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	1	1	4	2	3	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	3	....	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	2	2	2	7	6	4	3	3	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	1	....	....	1	2	1	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	2	2	6	4	3	2	3	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	1	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	1	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	15	....	....	2	2	2	6	11	8	1	....	2	1	....	....	....	....	....	....
....	....	....	....	1	....	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	....	....
....	....	....	....	14	....	....	2	2	2	6	10	8	....	....	1	1	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
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....	....	....	....	1	2	6	2	8	6	24	10	12	5	7	1	4	1	....	....	....	....	1
....	....	....	....	....	1	1	2	1	3	8	3	2	1	2	....	2	1	....	....	....	....	....
....	....	....	....	1	1	5	....	7	3	16	7	10	4	5	1	2	....	....	....	....	....	1
....	....	....	....	11	1	1	1	5	3	11	5	3	2	1	1	....	1	....	....	....	....	....
....	....	....	....	4	....	....	1	2	....	3	2	1	1	1	....	....	1	....	....	....	....	....
....	....	....	....	7	1	1	....	3	3	8	3	2	1	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	6	2	4	4	16	19	14	9	3	2	1	1	....	....	....	....	....
....	....	....	....	....	....	2	....	....	1	3	5	5	5	....	....	....	1	....	....	....	....	....
....	....	....	....	....	....	4	2	4	3	13	14	9	4	3	2	1	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	3	....	....	4	1	4	1	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	1	3	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	3	....	....	4	....	1	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	3	1	3	7	4	9	2	1	3	2	....	1	....	....	....	1
....	....	....	....	....	....	....	2	1	....	3	2	2	2	....	....	2	....	....	....	....	....	1
....	....	....	....	....	....	....	1	....	3	4	2	7	....	1	3	....	....	1	....	....	....	....
....	....	....	....	....	3	1	6	4	4	18	10	4	5	1	6	2	....	1	1	....	....	....
....	....	....	....	....	....	1	4	....	1	6	6	....	....	....	....	1	....	....	....	....	....	....
....	....	....	....	....	3	....	2	4	3	12	4	4	5	1	6	1	....	1	1	....	....	....
....	....	....	....	1	....	3	....	2	2	7	11	5	3	5	3	1	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	....	1	5	1	....	1	....	....	....	....	....	....	....	....
....	....	....	....	1	....	2	....	2	2	6	6	4	3	4	3	1	....	....	....	....	....	....
....	....	....	....	....	....	1	....	1	2	4	9	1	6	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	1	....	2	4	1	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	2	2	5	....	5	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	2	....	2	1	5	2	2	1	....	....	1	....	....	....	....	....	3
....	....	....	....	....	....	1	....	....	....	1	1	2	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	2	1	4	1	....	1	....	....	1	....	....	....	....	....	3
....	....	....	....	3	1	3	1	5	1	11	11	11	4	6	3	....	1	....	....	....	....	....
....	....	....	....	....	....	2	....	2	....	4	1	3	....	2	1	....	....	....	....	....	....	....
....	....	....	....	3	1	1	1	3	1	7	10	8	4	4	2	....	1	....	....	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complain-

Counties.	Sex of complainants.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chi-										
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Ionia	Totals	56	52	1	2	....	....	1	28	12	9	3	2	....	....	1	....	....	....
	Males	15	15	....	....	....	....	....	8	4	3	....	....	....	....	....	....	....	....
	Females	41	37	1	2	....	....	1	20	8	6	3	2	....	....	1	....	....	....
Iosco	Totals	7	5	....	....	2	....	....	3	2	....	....	....	....	1	1	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	7	5	....	....	2	....	....	3	2	....	....	....	....	1	1	....	....	....
Iron	Totals	4	....	3	....	....	1	....	....	2	2	....	....	....	....	....	....	....	....
	Males	3	....	2	....	....	1	....	....	2	1	....	....	....	....	....	....	....	....
	Females	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Isabella	Totals	29	28	....	....	1	....	....	14	8	4	2	....	....	....	1	....	....	....
	Males	12	12	....	....	....	....	....	9	1	1	....	....	....	....	1	....	....	....
	Females	17	16	....	....	1	....	....	5	7	3	2	....	....	....	....	....	....	....
Jackson	Totals	72	67	1	2	2	....	....	40	16	8	5	2	....	1	....	....	....	....
	Males	16	15	....	1	....	....	....	11	3	2	....	....	....	....	....	....	....	....
	Females	56	52	1	1	2	....	....	29	13	6	5	2	....	1	....	....	....	....
Kalamazoo	Totals	92	81	4	6	1	....	....	40	27	14	6	3	1	....	1	....	....	....
	Males	28	24	1	2	1	....	....	14	6	6	....	2	....	....	....	....	....	....
	Females	64	57	3	4	....	....	....	26	21	8	6	1	1	....	1	....	....	....
Kalkaska	Totals	12	12	....	....	....	....	....	6	3	2	1	....	....	....	....	....	....	....
	Males	5	5	....	....	....	....	....	3	1	1	....	....	....	....	....	....	....	....
	Females	7	7	....	....	....	....	....	3	2	1	1	....	....	....	....	....	....	....
Kent	Totals	270	218	19	23	6	4	....	158	50	34	9	10	5	1	1	....	....	2
	Males	76	53	9	10	2	2	....	49	14	6	2	2	3	....	....	....	....	....
	Females	194	165	10	13	4	2	....	109	36	28	7	8	2	1	1	....	....	2
Keweenaw	Totals	2	1	....	....	1	....	....	....	1	1	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	2	1	....	....	1	....	....	....	1	1	....	....	....	....	....	....	....	....
Lake	Totals	4	3	....	....	1	....	....	3	1	....	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	4	3	....	....	1	....	....	3	1	....	....	....	....	....	....	....	....	....
Lapeer	Totals	21	18	....	1	1	....	1	7	9	2	1	1	....	....	....	....	....	....
	Males	5	5	....	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....
	Females	16	13	....	1	1	....	1	6	8	1	....	1	....	....	....	....	....	....
Leelanau	Totals	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
	Males	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lenawee	Totals	59	42	9	4	2	....	2	30	11	8	6	....	3	1	....	....	....	....
	Males	14	9	1	1	1	....	2	6	2	4	2	....	....	....	....	....	....	....
	Females	45	33	8	3	1	....	....	24	9	4	4	....	3	1	....	....	....	....
Livingston	Totals	25	24	....	....	....	....	1	10	7	5	2	1	....	....	....	....	....	....
	Males	7	7	....	....	....	....	....	3	2	1	1	....	....	....	....	....	....	....
	Females	18	17	....	....	....	....	1	7	5	4	1	1	....	....	....	....	....	....
Luce	Totals	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mackinac	Totals	6	4	1	....	1	....	....	2	2	1	....	....	....	....	1	....	....	....
	Males	2	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
	Females	4	2	1	....	1	....	....	....	2	1	....	....	....	....	1	....	....	....
Macomb	Totals	39	31	1	2	4	1	....	18	3	9	3	2	1	1	1	....	....	1
	Males	10	8	....	1	1	....	....	4	1	1	1	2	....	....	1	....	....	....
	Females	29	23	1	1	3	1	....	14	2	8	2	....	1	1	....	....	....	1

ant, number of children in family and duration of marriage before divorce.

dren in family.					Duration of marriage before divorce.																
11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	1	2	5	6	5	4	22	16	8	3	4	2	....	1	....	....	....	....	....
....	....	....	....	....	....	2	1	1	2	6	6	2	....	1	....	....	....	....	....	....	....	....
....	....	....	....	1	2	3	5	4	2	16	10	6	3	3	2	....	1	....	....	....	....	....
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....	....	....	....	....	....	....	1	1	2	4	5	4	2	1	1	....	....	....	....	....	....	....
....	....	....	....	....	....	2	2	5	5	14	18	17	6	10	7	....	....	....	....	....	....	....
....	....	....	....	....	....	....	2	....	....	2	2	6	1	2	3	....	....	....	....	....	....	....
....	....	....	....	....	....	2	....	5	5	12	16	11	5	8	4	....	....	....	....	....	....	....
....	....	....	....	....	2	5	4	9	4	24	28	16	11	8	2	3	....	....	....	....	....	....
....	....	....	....	....	....	1	1	4	2	8	8	6	2	1	2	1	....	....	....	....	....	....
....	....	....	....	....	2	4	3	5	2	16	20	10	9	7	....	2	....	....	....	....	....	....
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....	....	....	....	....	17	15	17	16	22	87	70	48	22	21	12	7	2	1	....	....	....	....
....	....	....	....	....	5	5	6	7	6	29	16	16	4	7	1	1	1	1	....	....	....	....
....	....	....	....	....	12	10	11	9	16	58	54	32	18	14	11	6	1	....	....	....	....	....
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....	....	....	....	....	....	3	5	7	2	17	9	14	7	8	....	2	....	1	....	....	....	1
....	....	....	....	....	....	....	1	1	....	2	2	4	2	1	....	1	....	1	....	....	....	1
....	....	....	....	....	....	3	4	6	2	15	7	10	5	7	....	1	....	....	....	....	....	....
....	....	....	....	....	2	1	4	2	2	11	3	3	5	2	1	....	....	....	....	....	....	....
....	....	....	....	....	....	....	2	....	....	2	2	2	1	....	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....	....
....	....	....	....	....	3	1	2	3	2	11	9	6	5	3	1	2	1	....	1	....	....	....
....	....	....	....	....	1	....	1	1	....	3	3	1	....	1	....	2	....	....	....	....	....	....
....	....	....	....	....	2	1	1	2	2	8	6	5	5	2	1	....	1	....	1	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complain-

Counties.	Sex of complainants.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chil-										
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Manistee	Totals	12	9	1	....	....	2	....	6	4	....	....	....	....	1	....	....	....	....
	Males	1	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....
	Females	11	9	1	....	....	1	....	6	4	....	....	....	....	....	....	....	....	....
Marquette	Totals	15	12	1	....	....	2	....	4	5	4	....	2	....	....	....	....	....	....
	Males	5	5	....	....	....	....	....	2	....	3	....	....	....	....	....	....	....	....
	Females	10	7	1	....	....	2	....	2	5	1	....	2	....	....	....	....	....	....
Mason	Totals	21	16	3	1	....	....	1	8	7	4	....	1	1	....	....	....	....	....
	Males	8	6	1	....	....	....	1	1	3	2	....	1	1	....	....	....	....	....
	Females	13	10	2	1	....	....	....	7	4	2	....	....	....	....	....	....	....	....
Mecosta	Totals	16	15	....	....	1	....	....	8	2	3	1	2	....	....	....	....	....	....
	Males	2	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
	Females	14	13	....	....	1	....	....	6	2	3	1	2	....	....	....	....	....	....
Menominee	Totals	17	7	5	....	1	....	4	5	2	4	....	2	3	....	1	....	....	....
	Males	5	2	1	....	1	....	1	3	....	....	....	1	1	....	....	....	....	....
	Females	12	5	4	....	....	....	3	2	2	4	....	1	2	....	1	....	....	....
Midland	Totals	18	17	....	....	1	....	....	7	6	3	....	2	....	....	....	....	....	....
	Males	4	4	....	....	....	....	....	2	2	....	....	....	....	....	....	....	....	....
	Females	14	13	....	....	1	....	....	5	4	3	....	2	....	....	....	....	....	....
Missaukee	Totals	15	13	1	....	1	....	....	6	4	2	1	2	....	....	....	....	....	....
	Males	5	4	....	....	1	....	....	1	....	2	....	2	....	....	....	....	....	....
	Females	10	9	1	....	....	....	....	5	4	....	1	....	....	....	....	....	....	....
Monroe	Totals	21	19	....	....	2	....	....	12	4	1	2	2	....	....	....	....	....	....
	Males	6	6	....	....	....	....	....	4	1	....	1	....	....	....	....	....	....	....
	Females	15	13	....	....	2	....	....	8	3	1	1	2	....	....	....	....	....	....
Montcalm	Totals	40	40	....	....	....	....	....	17	13	4	5	1	....	....	....	....	....	....
	Males	13	13	....	....	....	....	....	6	5	1	1	....	....	....	....	....	....	....
	Females	27	27	....	....	....	....	....	11	8	3	4	1	....	....	....	....	....	....
Montmorency	Totals	3	3	....	....	....	....	....	1	....	....	1	....	....	....	1	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	3	3	....	....	....	....	....	1	....	....	1	....	....	....	1	....	....	....
Muskegon	Totals	50	47	1	2	....	....	....	18	15	9	3	1	2	2	....	....	....	....
	Males	15	13	1	1	....	....	....	7	5	2	1	....	....	....	....	....	....	....
	Females	35	34	....	1	....	....	....	11	10	7	2	1	2	2	....	....	....	....
Newaygo	Totals	16	15	....	1	....	....	....	9	3	4	....	....	....	....	....	....	....	....
	Males	4	4	....	....	....	....	....	3	....	1	....	....	....	....	....	....	....	....
	Females	12	11	....	1	....	....	....	6	3	3	....	....	....	....	....	....	....	....
Oakland	Totals	61	52	....	1	7	....	1	5	14	10	7	2	1	1	....	....	....	....
	Males	16	13	....	....	3	....	....	1	3	3	....	....	....	....	....	....	....	....
	Females	45	39	....	1	4	....	1	4	11	7	7	2	1	1	....	....	....	....
Oceana	Totals	30	25	....	2	....	3	....	17	5	5	1	1	....	....	....	1	....	....
	Males	14	13	....	....	....	1	....	8	2	3	....	....	....	....	....	1	....	....
	Females	16	12	....	2	....	2	....	9	3	2	1	1	....	....	....	....	....	....
Ogemaw	Totals	4	3	....	1	....	....	....	3	1	....	....	....	....	....	....	....	....	....
	Males	2	1	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....
	Females	2	2	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Ontonagon	Totals	6	3	....	1	....	2	....	2	1	....	....	1	....	1	....	1	....	....
	Males	2	....	....	1	....	1	....	1	....	....	....	1	....	....	....	....	....	....
	Females	4	3	....	....	....	1	....	1	1	....	....	....	....	1	....	1	....	....
Osceola	Totals	14	13	....	1	....	....	....	1	3	2	....	....	1	....	....	....	....	....
	Males	4	3	....	1	....	....	....	....	1	....	....	....	1	....	....	....	....	....
	Females	10	10	....	....	....	....	....	1	2	2	....	....	....	....	....	....	....	....

ant, number of children in family and duration of marriage before divorce.

dren in family.					Duration of marriage before divorce.																	
11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	1	....	....	....	3	1	4	2	4	....	1	1	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
....	....	....	....	1	....	....	....	3	1	4	2	4	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	1	1	2	4	3	3	3	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	3	2	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	1	1	2	1	1	3	3	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	2	3	7	2	4	4	1	....	1	....	....	1	....	....	1
....	....	....	....	....	....	....	....	....	2	2	....	2	1	1	....	....	....	....	1	....	....	1
....	....	....	....	....	....	1	1	2	1	5	2	2	3	....	....	1	....	....	....	....	....	....
....	....	....	....	....	....	1	1	1	2	5	3	5	2	....	1	....	....	....	....	....	....	....
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....	....	....	....	....	....	1	....	1	2	4	3	4	2	....	1	....	....	....	....	....	....	....
....	....	....	....	....	....	....	2	1	....	3	1	5	4	2	1	1	....	....	....	....	....	....
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....	....	....	....	....	....	....	2	1	....	3	1	4	2	1	....	1	....	....	....	....	....	....
....	....	....	....	....	....	3	....	3	2	8	3	3	....	1	2	1	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	1	2	1	....	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	2	....	3	1	6	2	3	....	....	2	1	....	....	....	....	....	....
....	....	....	....	....	3	....	1	3	3	10	4	....	....	....	....	....	1	....	....	....	....	....
....	....	....	....	....	2	....	....	....	....	2	2	....	....	....	....	....	1	....	....	....	....	....
....	....	....	....	....	1	....	1	3	3	8	2	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	1	3	....	2	1	7	6	3	2	1	1	1	....	....	....	....	....	....
....	....	....	....	....	1	1	....	....	....	2	1	1	....	....	1	1	....	....	....	....	....	....
....	....	....	....	....	....	2	....	2	1	5	5	2	2	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	4	4	2	4	14	10	8	1	3	2	1	1	....	....	....	....	....
....	....	....	....	....	....	....	1	1	2	4	2	4	1	1	....	....	1	....	....	....	....	....
....	....	....	....	....	....	4	3	1	2	10	8	4	....	2	2	1	....	....	....	....	....	....
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....	....	....	....	....	1	5	7	4	3	20	8	3	5	6	4	3	1	....	....	....	....	....
....	....	....	....	....	....	1	4	....	1	6	3	1	2	....	3	....	....	....	....	....	....	....
....	....	....	....	....	1	4	3	4	2	14	5	2	3	6	1	3	1	....	....	....	....	....
....	....	....	....	....	1	....	1	3	2	7	5	1	2	1	....	....	....	....	....	....	....	....
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....	....	....	....	21	1	4	3	4	8	20	11	12	11	2	1	2	....	1	....	....	....	1
....	....	....	....	9	....	1	2	....	2	5	4	4	2	....	....	....	....	1	....	....	....	....
....	....	....	....	12	1	3	1	4	6	15	7	8	9	2	1	2	....	....	....	....	....	1
....	....	....	....	....	1	1	....	6	3	11	9	4	4	2	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	4	1	6	3	2	1	2	....	....	....	....	....	....	....	....
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....	....	....	....	2	....	....	1	....	....	1	1	1	....	....	1	....	....	....	....	....	....	....
....	....	....	....	5	....	1	1	4	....	6	1	2	....	1	....	....	....	....	....	....	....	....

Table II.—Concluded.—Divorces in Michigan, by counties and sex of complain-

Counties.	Sex of complainants.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chil-										
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Oscoda	Totals	1	1											1					
	Males	1	1											1					
	Females																		
Otsego	Totals	5	5						1	3				1					
	Males	2	2							2									
	Females	3	3						1	1				1					
Ottawa	Totals	18	12	2	2	1	1		8	5	3	1		1					
	Males	5	1	2		1	1		3	1	1								
	Females	13	11		2				5	4	2	1		1					
Presque Isle	Totals	8	8						5	2							1		
	Males	3	3						1	1							1		
	Females	5	5						4	1									
Roscommon	Totals	3	2	1					1			1				1			
	Males																		
	Females	3	2	1					1			1				1			
Saginaw	Totals	112	93	7	4	4	2	2	63	20	18	6		2				1	
	Males	34	26	3	3		1	1	22	4	6	2							
	Females	78	67	4	1	4	1	1	41	16	12	4		2				1	
St. Clair	Totals	56	42	3	1	5		5	23	13	10	5	2	1	2				
	Males	13	9	1		1		2	5	5	3								
	Females	43	33	2	1	4		3	18	8	7	5	2	1	2				
St. Joseph	Totals	16	15	1					7	8	1								
	Males	7	7						5	2									
	Females	9	8	1					2	6	1								
Sanilac	Totals	27	25			1	1		14	7	2	2	1		1				
	Males	11	10				1		6	2		2			1				
	Females	16	15			1			8	5	2		1						
Schoolcraft	Totals	7	6	1					1	1	2	3							
	Males	2	2						1			1							
	Females	5	4	1						1	2	2							
Shiawassee	Totals	75	65	2	3	5			42	22	5	3	2		1				
	Males	18	16	1	1				14	3		1							
	Females	57	49	1	2	5			28	19	5	2	2		1				
Tuscola	Totals	41	33		3	3	1	1	21	4	6	4	2	1	1	1			
	Males	17	12		3	1		1	10	3	2		1			1			
	Females	24	21			2	1		11	1	4	4	1	1	1				
Van Buren	Totals	57	45	1	10			1	27	17	9			1			1		
	Males	16	13		3				10	4	1						1		
	Females	41	32	1	7			1	17	13	8			1					
Washtenaw	Totals	55	37	8	6	3	1		32	12	8	2			1				
	Males	14	10	2	2				10	2	2								
	Females	41	27	6	4	3	1		22	10	6	2			1				
Wayne	Totals	478	273	24	36	127	13	5	248	119	45	28	19	8	4	1		1	1
	Males	114	58	4	15	28	8	1	74	16	12	5	4	2					
	Females	364	215	20	21	99	5	4	174	103	33	23	15	6	4	1		1	1
Wexford	Totals	34	32	1	1				14	9	6	3	1	1					
	Males	7	6		1				2	2	3								
	Females	27	26	1					12	7	3	3	1	1					

ant, number of children in family and duration of marriage before divorce.

dren in family.					Duration of marriage before divorce.																	
11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
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1	....	....	....	1	2	6	6	8	8	30	16	15	7	6	3	1	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	....	2	2	7	3	....	....	1	....	....	....	....	....	....	....
....	....	....	....	....	2	2	4	6	3	17	10	4	5	5	....	2	....	....	....	....	....	....
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....	....	....	....	....	4	3	3	1	....	11	3	....	2	1	1	....	....	....	....	....	....	....
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....	....	....	....	1	2	3	2	5	3	15	11	4	1	3	5	1	....	1	....	....	....	....
....	....	....	....	....	2	2	1	3	2	10	3	2	....	1	1	....	....	....	....	....	....	....
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....	....	1	....	1	2	4	4	6	4	20	16	7	5	2	5	....	1	1	....	....	....	....
....	....	....	....	....	1	1	1	1	1	5	4	2	1	1	3	....	....	....	....	....	....	....
....	....	1	....	1	1	3	3	5	3	15	12	5	4	1	2	....	1	1	....	....	....	....
....	....	....	....	....	7	3	3	5	3	21	15	8	4	4	2	1	....	....	....	....	....	....
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....	....	....	....	....	6	2	3	4	3	18	11	6	2	2	2	....	....	....	....	....	....	....
....	....	....	....	4	5	13	19	38	28	103	130	126	52	38	13	13	2	1	....	....	....	....
....	....	....	....	1	2	4	7	9	7	29	29	29	7	7	6	5	2	....	....	....	....	....
....	....	....	....	3	3	9	12	29	21	74	101	97	45	31	7	8	....	1	....	....	....	....
....	....	....	....	....	1	2	4	3	2	12	6	7	4	2	2	1	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	1	1	3	....	2	....	1	....	....	....	....	....	....	....
....	....	....	....	....	1	2	4	3	1	11	3	7	2	2	1	1	....	....	....	....	....	....

Table III.—Causes of divorce in Michigan, by sex of complainant, during the year 1903, before

Causes alleged in petitions for divorces granted in 1903.	Sex of complainant.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chil-									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
ALL CAUSES	Totals	2,941	2,321	151	174	207	44	44	1,420	664	393	165	110	55	29	15	6	3
	Males	823	630	37	72	49	19	16	464	148	106	35	25	13	5	4	4	..
	Females	2,118	1,691	114	102	158	25	28	956	516	287	130	85	42	24	11	2	3
Adultery	Totals	58	47	5	....	2	1	3	32	10	10	2	2	..	..	..	..	..
	Males	40	32	4	....	1	1	2	23	5	8	1	2	..	..	..	..	..
	Females	18	15	1	....	1	....	1	9	5	2	1	....	..	..	..	..	..
Adultery and cruelty	Totals	11	8	....	1	....	1	1	4	1	2	2	....	..	1	..	..	..
	Males	7	4	....	1	....	1	1	3	1	1	1	....	..	1	..	..	..
	Females	4	4	....	....	....	....	....	1	....	1	1	....	..	..	..	..	..
Adultery, cruelty and drunkenness	Totals	1	1	....	....	....	....	....	....	....	1	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	1	1	....	....	....	....	....	....	....	1	....	....	..	..	..	..	..
Adultery, cruelty and non-support	Totals	2	2	....	....	....	....	....	1	....	....	1	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	2	2	....	....	....	....	....	1	....	....	1	....	..	..	..	..	..
Adultery and desertion	Totals	6	5	1	....	....	....	....	2	3	1	....	....	..	..	..	..	..
	Males	5	4	1	....	....	....	....	2	3	....	....	....	..	..	..	..	..
	Females	1	1	....	....	....	....	....	....	....	1	....	....	..	..	..	..	..
Bigamy	Totals	1	....	1	....	....	....	....	1	....	....	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	1	....	1	....	....	....	....	1	....	....	....	....	..	..	..	..	..
Conviction of crime	Totals	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..
Cruelty	Totals	1,045	839	57	54	69	13	13	514	226	131	64	40	19	14	5	2	2
	Males	358	286	18	25	21	3	5	209	65	48	13	11	2	2	1	..	..
	Females	687	553	39	29	48	10	8	305	161	83	51	29	17	12	4	2	2
Cruelty and desertion	Totals	84	64	3	9	7	....	1	44	19	9	3	3	1	1	..	..	..
	Males	41	30	3	6	2	....	....	25	8	3	2	....	..	..	..	..	..
	Females	43	34	....	3	5	....	1	19	11	6	1	3	1	1	..	..	..
Cruelty, desertion and drunkenness	Totals	2	1	1	....	....	....	....	2	....	....	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	2	1	1	....	....	....	....	2	....	....	....	....	..	..	..	..	..
Cruelty, desertion, drunkenness and non-support	Totals	2	2	....	....	....	....	....	....	....	1	1	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	2	2	....	....	....	....	....	....	....	1	1	....	..	..	..	..	..
Cruelty, desertion and non-support	Totals	21	14	....	4	3	....	....	8	1	6	....	2	1	2	..	..	..
	Males	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..
	Females	20	13	....	4	3	....	....	7	1	6	....	2	1	2	..	..	..
Cruelty and drunkenness	Totals	55	44	6	1	2	....	2	26	10	9	4	2	..	1	1	..	..
	Males	5	4	1	....	....	....	....	2	3	....	....	....	..	..	..	..	..
	Females	50	40	5	1	2	....	2	24	7	9	4	2	..	1	1	..	..
Cruelty, drunkenness and non-support	Totals	21	18	1	....	2	....	....	8	3	3	1	2	1	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	21	18	1	....	2	....	....	8	3	3	1	2	1	..	..	..	..
Cruelty and fraud	Totals	2	2	....	....	....	....	....	2	....	....	....	....	..	..	..	..	..
	Males	2	2	....	....	....	....	....	2	....	....	....	....	..	..	..	..	..
	Females	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
Cruelty and imprisonment	Totals	1	....	....	....	1	....	....	....	1	....	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	1	....	....	....	1	....	....	....	1	....	....	....	..	..	..	..	..

showing place of marriage, number of children in family and duration of marriage divorce.

dren in family.						Duration of marriage before divorce.																	
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
5	1	....	1	1	73	82	162	184	251	214	893	740	551	294	215	124	68	27	11	4	1	....	13
....	....	....	....	....	19	26	50	59	59	63	257	219	148	63	48	40	23	14	5	1	....	....	5
5	1	....	1	1	54	56	112	125	192	151	636	521	403	231	167	84	45	13	6	3	1	....	8
....	....	....	....	....	2	2	4	4	3	4	17	20	13	2	2	1	....	....	....	....	....	....	3
....	....	....	....	....	1	1	3	3	1	2	10	15	10	1	1	1	....	....	....	....	....	....	2
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5	1	....	....	1	21	40	85	72	87	71	355	260	156	107	82	39	21	13	5	2	....	....	5
....	....	....	....	....	7	15	38	32	24	28	137	93	59	21	19	13	8	5	2	....	....	....	1
5	1	....	....	1	14	25	47	40	63	43	218	167	97	86	63	26	13	8	3	2	....	....	4
....	....	....	....	....	4	2	4	4	4	5	19	24	24	9	3	4	1	....	....	....	....	....	....
....	....	....	....	....	3	2	4	2	2	4	14	10	10	4	1	2	....	....	....	....	....	....	....
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Table III.—Continued.—Causes of divorce in Michigan, during the year 1903.

Causes alleged in petitions for divorces granted in 1903.	Sex of complainant.	Complainants in divorces granted, 1903.	Place of marriage.						Number of chil-									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Cruelty and non-support	Totals	312	253	18	15	22	1	3	135	93	36	20	12	6	1	1	..	1
	Males	10	9	..	1	..	..	..	4	4	1	..	..	1	..	..	..	..
	Females	302	244	18	14	22	1	3	131	89	35	20	12	5	1	1	..	1
Defendant not competent to contract marriage relations	Totals	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Desertion	Totals	624	482	27	53	35	15	12	314	122	88	27	25	17	6	7	4	..
	Males	324	240	10	34	23	11	6	176	55	40	16	11	10	2	3	4	..
	Females	300	242	17	19	12	4	6	138	67	48	11	14	7	4	4	..	..
Desertion and drunkenness	Totals	4	2	..	1	..	1	..	2	..	..	..	1	..	..	..	..	..
	Males	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
	Females	3	2	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..
Desertion, drunkenness and non-support	Totals	2	2	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	2	2	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Desertion and non-support	Totals	149	98	9	14	20	4	4	63	47	20	10	4	1	..	..	..	..
	Males	5	4	..	..	..	1	..	2	1	1	1	..	..	..	..	..	..
	Females	144	94	9	14	20	3	4	61	46	19	9	4	1	..	..	..	..
Drunkenness	Totals	47	34	6	3	2	2	..	18	9	11	3	3	2	..	..	..	..
	Males	4	2	..	1	..	1	..	1	..	3	..	..	..	..	..	..	..
	Females	43	32	6	2	2	1	..	17	9	8	3	3	2	..	..	..	..
Drunkenness and non-support	Totals	42	34	4	2	2	..	..	11	18	8	..	3	1	..	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	42	34	4	2	2	..	..	11	18	8	..	3	1	..	..	..	..
Fraud	Totals	4	3	..	..	1	..	..	4	..	..	..	..	..	..	..	..	..
	Males	3	3	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..
	Females	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Fraud and non-support	Totals	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Illegal age	Totals	4	4	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..
	Males	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
	Females	3	3	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Illegal marriage	Totals	3	1	..	1	1	..	..	2	..	1	..	..	..	..	..	..	..
	Males	2	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..
	Females	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Impotency	Totals	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Imprisonment	Totals	11	11	..	..	..	..	..	5	1	2	1	1	..	1	..	..	..
	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	11	11	..	..	..	..	..	5	1	2	1	1	..	1	..	..	..
Insanity	Totals	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
	Males	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
	Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Misconduct	Totals	2	..	..	1	..	..	1	1	1	..	..	..	..	..	..	..	..
	Males	2	..	..	1	..	..	1	1	1	..	..	..	..	..	..	..	..
	Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

shewing number of children in family, and duration of marriage before divorce.

dren in family.						Duration of marriage before divorce.																
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	....	7	10	25	29	18	23	105	91	62	26	16	10	1	....	....	....	....	....	1
....	....	....	....	....	....	....	....	3	....	1	4	3	1	....	2	....	....	....	....	....	....	....	....
....	....	....	....	....	7	10	25	26	18	22	101	88	61	26	14	10	1	....	....	....	....	....	1
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....	....	....	....	....	14	3	4	29	64	52	152	148	126	71	49	33	26	11	4	1	....	....	3
....	....	....	....	....	7	2	1	18	29	26	76	82	61	34	22	20	14	9	3	1	....	....	2
....	....	....	....	....	7	1	3	11	35	26	76	66	65	37	27	13	12	2	1	....	....	....	1
....	....	....	....	....	1	....	....	....	....	2	2	....	....	....	1	1	....	....	....	....	....	....	....
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....	....	....	....	....	4	1	....	10	15	11	37	39	30	15	14	8	5	1	....	....	....	....	....
....	....	....	....	....	....	....	....	1	....	....	1	2	1	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	4	1	....	9	15	11	36	37	29	15	13	8	5	1	....	....	....	....	....
....	....	....	....	....	1	2	2	1	5	2	12	10	13	4	4	4	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	1	1	....	....	....	....	....	....	....
....	....	....	....	....	1	2	2	1	4	2	11	10	12	4	3	3	....	....	....	....	....	....	....
....	....	....	....	....	1	1	1	2	2	1	7	13	9	5	3	2	2	....	1	....	....	....	....
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....	....	....	....	....	....	....	....	....	....	....	....	4	4	1	2	....	....	....	....	....	....	....	....
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....	....	....	....	....	....	....	....	....	....	....	....	4	4	1	2	....	....	....	....	....	....	....	....
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Table III.—Concluded.—Causes of divorce in Michigan, during the year 1903.

Causes alleged in petitions for divorces granted in 1903.	Sex of complainant.	Complainants in divorces granted, 1903.	Place of marriage.						Number of children.									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Non-support	Totals	414	342	12	14	37	6	3	211	96	54	25	10	6	2	1	..	..
	Males	8	5	....	....	1	1	1	5	1	....	1	....	..	..	..	..	..
	Females	406	337	12	14	36	5	2	206	95	54	24	10	6	2	1	..	..
Null marriage	Totals	3	3	....	....	....	....	....	2	....	....	1	....	..	..	..	..	..
	Males	2	2	....	....	....	....	....	2	....	....	....	....	..	..	..	..	..
	Females	1	1	....	....	....	....	....	....	....	....	1	....	..	..	..	..	..
Physically incompetent	Totals	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..
	Males	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..
	Females	1	1	....	....	....	....	....	1	....	....	....	....	..	..	..	..	..
Unknown	Totals	2	....	....	1	....	....	1	1	....	....	....	....	..	..	..	..	..
	Males	1	....	....	1	....	....	....	1	....	....	....	....	..	..	..	..	..
	Females	1	....	....	....	....	....	1	....	....	....	....	....	..	..	..	..	..

showing number of children in family, and duration of marriage before divorce.

dren in family.						Duration of marriage before divorce.																	
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	....	9	13	26	27	42	29	137	101	85	41	25	13	9	1	1	1	....	....	....
....	....	....	....	....	1	1	....	....	....	....	1	5	1	....	....	....	1	....	....	....	....	....	....
....	....	....	....	....	8	12	26	27	42	29	136	96	84	41	25	13	8	1	1	1	....	....	....
....	....	....	....	....	....	2	....	....	....	....	2	....	....	....	....	....	....	....	....	....	1	....	....
....	....	....	....	....	....	2	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....
....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
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....	....	....	....	....	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1
....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
					24																		

TABLES

RELATING TO

BIRTHS

IN

MICHIGAN

AS ENUMERATED BY

SUPERVISORS AND ASSESSORS

FOR THE

YEAR 1903

enumerated by supervisors included.)

				Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
			,848	4,189	4,046	3,976	3,882	4,121	61
			,008	2,158	2,037	2,118	1,994	2,120	35
			,840	2,031	2,009	1,858	1,888	2,001	26
				13	11	11	7	5	6	..
				5	2	7	3	.....	4	..
				8	9	4	4	5	2	..
				12	18	9	9	13	8	..
				7	8	6	7	6	4	..
				5	10	3	2	7	4	..
				61	59	57	44	49	62	..
				33	33	35	29	21	30	..
				28	26	22	15	28	32	..
				48	52	41	32	36	41	..
				25	25	19	20	20	24	..
				23	27	22	12	16	17	..
				31	27	26	31	23	15	..
				14	16	11	22	7	5	..
				17	11	15	9	16	10	..
				15	18	10	16	9	8	..
				9	10	4	7	7	6	..
				6	8	6	9	2	2	..
				15	13	6	11	13	12	..
				7	7	3	7	10	8	..
				8	6	3	4	3	4	..
				35	31	31	29	15	26	..
				15	11	14	13	8	12	..
				20	20	17	16	7	14	..
			133	111	115	132	131	131	139	141	..
			63	52	67	82	78	70	67	76	..
			70	59	48	50	53	61	72	65	..
			22	15	16	19	10	12	14	20	..
			10	10	9	11	6	7	9	9	..
			12	5	7	8	4	5	5	11	..
			54	53	52	50	46	37	62	64	..
			27	30	23	22	27	20	24	37	..
			27	23	29	28	19	17	38	27	..
			34	37	32	40	26	29	36	29	..
			22	17	15	20	11	16	18	13	..
			12	20	17	20	15	13	18	16	..
			60	59	55	65	62	56	72	70	..
			30	29	34	38	31	26	33	38	..
			30	30	21	27	31	30	39	32	..
			21	20	22	17	21	24	24	26	17	..
			11	11	11	12	7	12	13	11	10	..
			10	9	11	5	14	12	11	15	7	..
			21	14	17	19	24	30	22	20	18	..
			12	5	10	9	12	14	11	7	9	..
			9	9	7	10	12	16	11	13	9	..
			37	31	38	34	36	32	32	20	29	2
			19	16	18	23	17	19	14	14	17	2
			18	15	20	11	19	13	18	6	12	..
			44	52	36	47	40	42	35	39	40	1
			26	26	18	25	14	19	19	23	24	1
			18	26	18	22	26	23	16	16	16	..

Table I.—Continued.—Births in Michigan, by months, counties and sex, 1903.

[illegible]	Sex.	Year, 1903.	Months, 1903.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Females.	159	14	17	18	15	16	16	18	14	18	15	13	15	..
[illegible]	Males.	57	6	9	7	7	9	6	11	3	10	7	5	7	..
	Females.	102	8	8	11	8	7	10	7	11	8	8	8	8	..
	Females.	379	21	34	22	25	41	35	39	32	25	37	38	30	..
[illegible]	Males.	188	10	15	12	15	19	20	17	13	12	22	20	13	..
	Females.	191	11	19	10	10	22	15	22	19	13	15	18	17	..
	Females.	11					2	1			1	2	2	3	..
[illegible]	Males.	4					1	1				1	1		..
	Females.	7					1				1	1	1	3	..
	Females.	636	38	50	64	58	52	54	56	70	53	48	48	45	..
[illegible]	Males.	334	17	27	33	35	27	24	24	42	30	29	20	26	..
	Females.	302	21	23	31	23	25	30	32	28	23	19	28	19	..
	Females.	645	39	52	52	46	61	60	53	60	53	47	61	61	..
[illegible]	Males.	315	19	30	28	24	27	28	24	26	25	23	32	29	..
	Females.	330	20	22	24	22	34	32	29	34	28	24	29	32	..
	Females.	421	25	27	35	34	40	38	36	40	45	41	28	30	2
[illegible]	Males.	223	15	11	21	15	21	20	20	20	25	24	18	11	2
	Females.	198	10	16	14	19	19	18	16	20	20	17	10	19	..
	Females.	225	18	8	22	12	19	9	22	24	19	33	18	24	..
[illegible]	Males.	127	10	4	16	7	12	3	11	10	7	19	14	14	..
	Females.	101	8	4	6	5	7	6	11	14	12	14	4	10	..
	Females.	302	36	41	47	38	52	42	58	56	63	42	44	63	..
[illegible]	Males.	286	17	20	18	18	26	19	29	29	32	20	25	33	..
	Females.	296	19	21	29	20	26	23	29	27	31	22	19	30	..
	Females.	136	5	10	10	10	10	14	12	12	11	14	9	19	..
[illegible]	Males.	74	2	7	6	5	6	6	8	3	5	6	6	4	..
	Females.	72	3	3	4	5	4	8	4	9	6	8	3	15	..
	Females.	342	38	33	48	62	43	42	21	56	35	57	48	59	..
[illegible]	Males.	174	19	15	27	36	22	25	11	31	16	31	19	27	..
	Females.	168	19	18	21	26	21	17	10	25	19	26	29	32	..
	Females.	348	17	20	42	28	24	42	32	29	24	34	30	36	..
[illegible]	Males.	188	7	8	25	18	14	23	22	14	12	14	15	16	..
	Females.	160	10	12	17	10	10	19	10	15	12	10	15	20	..
	Females.	418	18	22	39	37	41	35	33	36	51	32	32	42	..
[illegible]	Males.	220	8	11	20	19	21	18	15	17	28	19	12	22	..
	Females.	198	10	11	19	18	20	17	18	19	23	13	20	20	..
	Females.	343	30	26	26	32	27	17	36	30	33	24	32	29	1
[illegible]	Males.	175	13	14	14	18	13	8	22	14	17	11	19	15	..
	Females.	168	17	12	12	14	14	9	14	16	16	13	13	14	1
	Females.	2[illegible]	214	218	231	193	204	194	191	213	209	218	198	230	28
[illegible]	Males.	2[illegible]	111	111	124	98	106	94	100	103	99	122	115	121	16
	Females.	2[illegible]	103	107	107	95	98	100	91	110	110	96	83	109	12
	Females.	[illegible]	30	42	55	72	53	62	77	62	54	65	55	67	..
[illegible]	Males.	[illegible]	20	19	32	44	29	30	40	34	27	37	27	35	..
	Females.	[illegible]	19	23	23	28	24	32	37	28	27	28	28	32	..
	Females.	[illegible]	40	42	45	38	55	50	42	48	35	40	49	45	1
[illegible]	Males.	[illegible]	23	23	28	21	32	23	24	26	15	25	25	28	1
	Females.	[illegible]	17	19	17	17	23	27	18	22	20	15	24	17	..
	Females.	[illegible]	18	17	26	26	42	42	21	45	32	32	46	41	..
[illegible]	Males.	[illegible]	7	6	12	12	17	21	11	17	16	20	31	26	..
	Females.	[illegible]	11	11	14	14	25	21	10	28	16	12	15	15	..
	Females.	[illegible]	16	12	17	16	21	29	19	18	15	16	22	18	..
[illegible]	Males.	[illegible]	11	8	7	11	13	13	8	10	9	6	9	9	..
	Females.	[illegible]	5	4	10	5	8	16	11	8	6	10	13	9	..
	Females.	[illegible]	21	24	23	21	36	28	27	30	21	24	17	29	..
[illegible]	Males.	[illegible]	11	13	14	10	24	17	19	13	12	10	10	12	..
	Females.	[illegible]	10	11	9	11	12	11	8	17	9	14	7	17	..

Table I.—Continued.—Births in Michigan, by months, counties and sex, 1903.

Counties.	Sex.	Year, 1903.	Months, 1903.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct	Nov.	Dec.	Unk.
Isabella.....	Totals...	444	29	25	37	45	34	26	42	46	41	51	33	35	..
	Males....	228	17	14	19	28	15	15	22	22	20	30	9	17	..
	Females.	216	12	11	18	17	19	11	20	24	21	21	24	18	..
Jackson.....	Totals...	778	59	50	69	66	68	61	67	83	66	74	45	70	..
	Males....	389	31	26	36	37	31	32	27	49	36	31	22	31	..
	Females.	389	28	24	33	29	37	29	40	34	30	43	23	39	..
Kalamazoo...	Totals...	613	38	40	45	51	54	51	61	56	55	49	54	59	..
	Males....	319	21	18	22	25	31	26	28	35	33	29	24	27	..
	Females.	294	17	22	23	26	23	25	33	21	22	20	30	32	..
Kalkaska....	Totals...	95	5	3	6	11	5	10	8	18	6	11	8	4	..
	Males....	46	1	1	2	6	1	6	4	12	4	7	2	.....	..
	Females.	49	4	2	4	5	4	4	4	6	2	4	6	4	..
Kent.....	Totals...	2,399	159	138	240	217	213	182	208	212	190	213	210	216	1
	Males....	1,237	89	64	128	104	108	95	107	129	94	108	93	118	..
	Females.	1,162	70	74	112	113	105	87	101	83	96	105	117	98	1
Keweenaw...	Totals...	115	9	10	12	9	11	6	7	8	13	12	7	11	..
	Males....	62	5	5	7	2	8	3	3	5	5	11	2	6	..
	Females.	53	4	5	5	7	3	3	4	3	8	1	5	5	..
Lake.....	Totals...	114	7	4	5	8	12	9	13	12	10	14	10	10	..
	Males....	57	4	3	1	6	4	5	5	7	5	6	5	6	..
	Females.	57	3	1	4	2	8	4	8	5	5	8	5	4	..
Lapeer.....	Totals...	352	20	23	31	32	40	29	29	30	30	22	33	33	..
	Males....	178	8	11	15	15	25	13	17	17	15	10	16	16	..
	Females.	174	12	12	16	17	15	16	12	13	15	12	17	17	..
Leelanau.....	Totals...	226	13	15	17	23	18	21	15	20	25	20	17	22	..
	Males....	122	8	8	12	12	10	11	6	12	11	10	9	13	..
	Females.	104	5	7	5	11	8	10	9	8	14	10	8	9	..
Lenawee.....	Totals...	556	42	31	40	41	61	33	43	55	45	54	61	50	..
	Males....	269	23	17	17	20	23	16	16	29	23	25	40	20	..
	Females.	287	19	14	23	21	38	17	27	26	22	29	21	30	..
Livingston...	Totals...	204	9	15	13	17	21	14	19	20	20	31	12	13	..
	Males....	105	6	7	7	9	10	7	10	13	8	14	6	8	..
	Females.	99	3	8	6	8	11	7	9	7	12	17	6	5	..
Luce.....	Totals...	64	4	4	4	6	6	4	7	10	3	7	7	2	..
	Males....	38	1	2	1	3	3	4	5	4	3	5	5	2	..
	Females.	26	3	2	3	3	3	.....	2	6	.....	2	2	.....	..
Mackinac....	Totals...	90	4	5	6	2	13	14	5	6	8	10	9	7	1
	Males....	45	2	2	3	.....	5	5	3	4	6	5	5	4	1
	Females.	45	2	3	3	2	8	9	2	2	2	5	4	3	..
Macomb.....	Totals...	545	31	38	39	55	59	43	55	47	42	51	35	50	..
	Males....	295	16	15	22	31	33	21	29	23	24	34	20	27	..
	Females.	250	15	23	17	24	26	22	26	24	18	17	15	23	..
Manistee....	Totals...	500	33	32	39	40	41	41	35	56	37	50	39	57	..
	Males....	264	19	17	20	21	19	22	18	29	19	27	24	29	..
	Females.	236	14	15	19	19	22	19	17	27	18	23	15	28	..
Marquette...	Totals...	1,307	88	103	113	15	130	116	111	111	127	96	105	92	..
	Males....	703	45	51	56	59	75	67	67	64	67	49	56	47	..
	Females.	604	43	52	57	56	55	49	44	47	60	47	49	45	..
Mason.....	Totals...	375	25	31	37	27	33	35	32	24	40	34	25	32	..
	Males....	170	8	16	23	13	11	19	15	10	17	13	16	9	..
	Females.	205	17	15	14	14	22	16	17	14	23	21	9	23	..
Mecosta.....	Totals...	292	19	21	30	33	26	22	26	23	24	19	29	20	..
	Males....	147	10	11	11	19	14	10	15	13	8	11	17	8	..
	Females.	145	9	10	19	14	12	12	11	10	16	8	12	12	..
Menominee...	Totals...	586	53	53	64	63	52	51	53	37	37	38	46	39	..
	Males....	297	19	30	31	39	30	24	28	18	16	20	24	18	..
	Females.	289	34	23	33	24	22	27	25	19	21	18	22	21	..

Table I.—Continued.—Births in Michigan by months, counties and sex, 1903.

Counties.	Sex.	Year, 1903.	Months, 1903.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Midland.....	Totals...	286	22	25	25	32	21	19	22	27	23	19	27	24	..
	Males....	147	14	14	14	17	8	10	8	11	10	14	17	10	..
	Females.	139	8	11	11	15	13	9	14	16	13	5	10	14	..
Missaukee....	Totals...	148	9	9	15	13	14	12	14	12	11	13	15	11	..
	Males....	83	4	5	7	9	6	9	9	4	5	8	9	8	..
	Females.	65	5	4	8	4	8	3	5	8	6	5	6	3	..
Monroe.....	Totals...	585	40	34	51	41	42	51	48	58	59	46	61	51	3
	Males....	298	23	16	24	19	20	33	18	38	24	26	32	24	1
	Females.	287	17	18	27	22	22	18	30	20	35	20	29	27	2
Montcalm....	Totals...	446	16	30	44	41	36	40	46	33	47	30	46	37	..
	Males....	194	8	8	18	19	13	21	20	14	26	12	20	15	..
	Females.	252	8	22	26	22	23	19	26	19	21	18	26	22	..
Montmorency	Totals...	65	1	6	4	7	4	1	9	6	8	8	4	7	..
	Males....	33	1	4	1	5	2	.....	3	3	6	3	1	4	..
	Females.	32	.....	2	3	2	2	1	6	3	2	5	3	3	..
Muskegon....	Totals...	665	30	46	59	48	75	52	66	54	63	58	59	54	1
	Males....	332	17	24	36	26	39	25	35	22	26	31	24	27	..
	Females.	333	13	22	23	22	36	27	31	32	37	27	35	27	1
Newaygo....	Totals...	226	11	14	15	18	21	31	16	25	24	17	22	12	..
	Males....	118	4	6	9	10	11	17	8	9	14	8	15	7	..
	Females.	108	7	8	6	8	10	14	8	16	10	9	7	5	..
Oakland.....	Totals...	598	24	39	45	56	52	46	55	53	55	53	59	61	..
	Males....	311	14	19	26	28	26	24	30	25	36	21	29	33	..
	Females.	287	10	20	19	28	26	22	25	28	19	32	30	28	..
Oceana.....	Totals...	250	20	12	14	19	26	20	14	24	28	20	25	27	1
	Males....	132	10	5	9	9	18	10	7	13	17	9	14	10	1
	Females.	118	10	7	5	10	8	10	7	11	11	11	11	17	..
Ogemaw.....	Totals...	154	16	13	12	13	15	13	10	18	10	13	10	11	..
	Males....	87	10	8	7	8	6	7	6	11	6	7	6	5	..
	Females.	67	6	5	5	5	9	6	4	7	4	6	4	6	..
Ontonagon...	Totals...	234	19	16	20	22	30	14	10	11	37	17	16	22	..
	Males....	128	7	4	13	13	21	11	4	6	18	8	9	14	..
	Females.	106	12	12	7	9	9	3	6	5	19	9	7	8	..
Osceola.....	Totals...	407	22	25	29	30	41	47	34	40	42	39	33	25	..
	Males....	209	16	14	12	16	22	21	15	18	18	23	20	14	..
	Females.	198	6	11	17	14	19	26	19	22	24	16	13	11	..
Oscoda.....	Totals...	29	1	2	2	2	3	5	2	2	3	3	3	1	..
	Males....	18	.....	2	2	2	2	3	1	1	2	1	1	1	..
	Females.	11	1	.....	.....	.....	1	2	1	1	1	2	2	.....	..
Otsego.....	Totals...	113	7	8	6	7	15	9	9	17	12	7	5	11	..
	Males....	67	6	4	2	6	5	6	4	13	5	4	4	8	..
	Females.	46	1	4	4	1	10	3	5	4	7	3	1	3	..
Ottawa.....	Totals...	807	57	51	72	80	66	89	50	80	91	58	60	53	..
	Males....	424	32	23	40	42	33	54	30	39	45	33	26	27	..
	Females.	383	25	28	32	38	33	35	20	41	46	25	34	26	..
Presque Isle..	Totals...	226	17	15	12	19	23	13	19	30	11	28	29	10	..
	Males....	107	9	7	4	3	10	5	8	15	6	15	20	5	..
	Females.	119	8	8	8	16	13	8	11	15	5	13	9	5	..
Roscommon..	Totals...	40	2	1	1	4	1	6	4	1	5	4	5	6	..
	Males....	22	2	.....	1	4	.....	6	1	.....	1	3	1	3	..
	Females.	18	.....	1	.....	.....	1	.....	3	1	4	1	4	3	..
Saginaw.....	Totals...	2,016	161	166	151	148	163	189	159	196	159	172	177	174	1
	Males....	1,106	81	90	89	87	95	102	94	101	78	93	92	103	1
	Females.	910	80	76	62	61	68	87	65	95	81	79	85	71	..
St. Clair.....	Totals...	950	82	64	63	66	87	74	73	81	84	104	84	88	..
	Males....	496	49	30	39	32	40	27	31	44	45	63	52	44	..
	Females.	454	33	34	24	34	47	47	42	37	39	41	32	44	..

Table I.—Concluded.—Births in Michigan, by months, counties and sex, 1903.

Counties.	Sex.	Year, 1903.	Months 1903.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
St. Joseph...	Totals...	328	23	20	33	32	25	21	28	39	24	27	30	26	..
	Males....	165	13	13	16	14	13	9	15	18	10	17	13	14	..
	Females.	163	10	7	17	18	12	12	13	21	14	10	17	12	..
Sanilac.....	Totals...	660	39	51	55	66	52	67	53	49	60	58	53	57	..
	Males....	357	21	23	26	36	28	35	36	28	31	35	28	30	..
	Females.	303	18	28	29	30	24	32	17	21	29	23	25	27	..
Schoolcraft...	Totals...	176	10	11	16	14	9	14	17	21	15	21	13	15	..
	Males....	93	7	9	8	8	8	4	9	11	6	11	6	6	..
	Females.	83	3	2	8	6	1	10	8	10	9	10	7	9	..
Shiawassee...	Totals...	413	32	21	29	27	37	41	32	37	42	40	42	32	1
	Males....	216	13	8	19	14	22	21	19	22	19	19	22	18	..
	Females.	197	19	13	10	13	15	20	13	15	23	21	20	14	1
Tuscola.....	Totals...	563	34	43	45	42	52	53	46	48	64	51	48	37	..
	Males....	309	19	26	20	27	32	23	23	26	32	30	23	28	..
	Females.	254	15	17	25	15	20	30	23	22	32	21	25	9	..
Van Buren...	Totals...	413	19	28	18	34	25	39	36	51	44	38	30	45	6
	Males....	210	10	20	9	16	14	20	16	23	23	17	17	21	4
	Females.	203	9	8	9	18	11	19	20	28	21	21	13	24	2
Washtenaw..	Totals...	497	38	32	45	41	37	48	44	39	41	53	38	41	..
	Males....	245	17	20	28	18	13	25	24	18	22	20	18	22	..
	Females.	252	21	12	17	23	24	23	20	21	19	33	20	19	..
Wayne.....	Totals...	8,286	687	617	641	625	692	633	668	697	749	728	697	841	11
	Males....	4,270	351	323	329	324	363	335	351	354	368	379	363	425	5
	Females.	4,016	336	294	312	301	329	298	317	343	381	349	334	416	6
Wexford.....	Totals...	325	17	22	30	28	26	34	28	35	25	27	25	28	..
	Males....	161	7	10	14	20	18	14	15	16	11	13	9	14	..
	Females.	164	10	12	16	8	8	20	13	19	14	14	16	14	..

Table II.—Births in Michigan, by nativity of parents, counties and sex, as enumerated by supervisors and assessors for the year 1903. (Stillbirths included.)

State and counties.	Sex.	Children born.	Nativity of parents of children born in 1903.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father—		Father unknown. Mother—		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
STATE	Totals	46,020	22,498	13,579	5,617	3,241	112	87	192	74	620
	Males	23,802	11,597	6,996	2,947	1,679	65	43	96	38	341
	Females	22,218	10,901	6,583	2,670	1,562	47	44	96	36	279
Alcona	Totals	98	25	44	20	9					
	Males	41	9	19	9	4					
	Females	57	16	25	11	5					
Alger	Totals	126	38	58	15	12		1	2		
	Males	67	18	36	7	4		1	1		
	Females	59	20	22	8	8			1		
Allegan	Totals	618	500	43	33	26			2		14
	Males	335	265	24	20	16					10
	Females	283	235	19	13	10			2		4
Alpena	Totals	476	120	192	105	58		1			
	Males	252	70	92	57	33					
	Females	224	50	100	48	25		1			
Antrim	Totals	270	159	39	38	27	1	3	2		1
	Males	134	88	17	17	10			1		1
	Females	136	71	22	21	17	1	3	1		
Arenac	Totals	156	65	37	28	18	3	2	3		
	Males	84	32	21	18	9	2	1	1		
	Females	72	33	16	10	9	1	1	2		
Baraga	Totals	127	27	65	21	11	1	1	1		
	Males	62	12	32	10	7	1				
	Females	65	15	33	11	4		1	1		
Barry	Totals	313	289	3	15	4				1	1
	Males	140	133	1	4	2					
	Females	173	156	2	11	2				1	1
Bay	Totals	1,508	601	550	223	133			1		
	Males	790	313	292	115	69			1		
	Females	718	288	258	108	64					
Benzie	Totals	180	128	21	23	7					1
	Males	95	67	10	13	4					1
	Females	85	61	11	10	3					
Berrien	Totals	611	386	143	39	25	2	3	12		1
	Males	306	195	71	18	12		2	7		1
	Females	305	191	72	21	13	2	1	5		
Branch	Totals	368	325	12	12	6	1		4		8
	Males	190	169	7	3	1	1		4		5
	Females	178	156	5	9	5					3
Calhoun	Totals	715	592	47	40	30	1		1		4
	Males	368	316	22	13	14	1		1		1
	Females	347	276	25	27	16					3
Cass	Totals	253	219	2	8	6	7	1	4		6
	Males	130	113	1	2	4	5				5
	Females	123	106	1	6	2	2	1	4		1
Charlevoix	Totals	230	134	38	40	17			1		
	Males	110	70	18	13	9					
	Females	120	64	20	27	8			1		
	Totals	364	171	81	66	42			3		1
	Males	201	101	45	32	21			1		1
	Females	163	70	36	34	21			2		

Table II.—Continued.—Births by counties, parent nativity and sex, 1903.

Counties.	Sex.	Children born.	Nativity of parents of children born in 1903.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father—		Father unknown. Mother—		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Chippewa	Totals	480	75	255	68	56	1	.....	5	19	1
	Males	242	37	121	40	28	1	.....	3	11	1
	Females	238	38	134	28	28	.....	.....	2	8	....
Clare	Totals	189	105	26	38	14	1	1	4	.....	...
	Males	87	45	17	19	1	1	1	3	.....	...
	Females	102	60	9	19	13	.....	.....	1	.....	...
Clinton	Totals	379	335	7	23	11	.....	.....	2	.....	1
	Males	188	168	3	11	6	.....	.....	.....	.....	...
	Females	191	167	4	12	5	.....	.....	2	.....	1
Crawford	Totals	11	8	2	.....	.....	1	.....	.....	.....	...
	Males	4	4	.....	.....	.....	.....	.....	.....	.....	...
	Females	7	4	2	.....	.....	1	.....	.....	.....	...
Delta	Totals	636	197	280	119	37	1	.....	.....	.....	2
	Males	334	100	146	65	20	1	.....	.....	.....	2
	Females	302	97	134	54	17	.....	.....	.....	.....	...
Dickinson	Totals	645	85	477	51	30	.....	.....	.....	1	1
	Males	315	40	234	25	15	.....	.....	.....	.....	1
	Females	330	45	243	26	15	.....	.....	.....	1	...
Eaton	Totals	421	388	5	19	6	.....	.....	3	.....	...
	Males	223	207	1	11	4	.....	.....	.....	.....	...
	Females	198	181	4	8	2	.....	.....	3	.....	...
Emmet	Totals	228	143	40	30	14	1	.....	.....	.....	...
	Males	127	85	17	16	8	1	.....	.....	.....	...
	Females	101	58	23	14	6	.....	.....	.....	.....	...
Genesee	Totals	582	459	22	50	45	2	.....	3	.....	1
	Males	286	231	12	20	23	.....	.....	.....	.....	...
	Females	296	228	10	30	22	2	.....	3	.....	1
Gladwin	Totals	136	72	32	22	9	1	.....	.....	.....	...
	Males	64	36	13	11	4	.....	.....	.....	.....	...
	Females	72	36	19	11	5	1	.....	.....	.....	...
Gogebic	Totals	542	29	477	20	11	1	2	1	1	...
	Males	279	16	243	10	8	.....	1	1	.....	...
	Females	263	13	234	10	3	1	1	.....	1	..
Grand Traverse	Totals	348	245	37	40	25	1	.....	.....	.....	...
	Males	188	128	21	25	13	1	.....	.....	.....	...
	Females	160	117	16	15	12	.....	.....	.....	.....	...
Gratiot	Totals	418	360	6	26	20	4	1	.....	.....	1
	Males	210	179	4	15	9	1	1	.....	.....	1
	Females	208	181	2	11	11	3	.....	.....	.....	...
Hillsdale	Totals	343	317	2	11	7	.....	.....	3	.....	3
	Males	178	167	1	4	3	.....	.....	1	.....	2
	Females	165	150	1	7	4	.....	.....	2	.....	1
Houghton	Totals	2,541	405	1,657	345	107	2	3	2	4	16
	Males	1,320	194	880	184	50	1	2	1	2	6
	Females	1,221	211	777	161	57	1	1	1	2	10
Huron	Totals	703	256	214	156	72	.....	.....	1	1	3
	Males	374	150	101	77	45	.....	.....	.....	.....	1
	Females	329	106	113	79	27	.....	.....	1	1	2
Ingham	Totals	530	385	64	32	30	8	.....	.....	.....	11
	Males	294	214	33	16	17	6	.....	.....	.....	8
	Females	236	171	31	16	13	2	.....	.....	.....	3

Table II.—Continued.—Births by counties, parent nativity and sex, 1903.

Counties.	Sex.	Children born.	Nativity of parents of children born in 1903.							
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unkn	
							Father—		Mother—	
							Native.	Foreign.	Native.	Fo
Ionia	Totals	388	326	21	26	12	.....	.....	1	...
	Males	196	160	12	13	8	.....	.....	1	...
	Females	192	166	9	13	4	.....	.....	.....	...
Iosco	Totals	219	70	66	46	32	1	.....	2	
	Males	114	36	33	24	18	1	.....	1	
	Females	105	34	33	22	14	.....	.....	1	
Iron	Totals	307	17	266	11	4	.....	3	.....	
	Males	165	10	145	8	1	.....	.....	.....	...
	Females	142	7	121	3	3	.....	3	.....	
Isabella	Totals	444	321	35	49	28	.....	2	3	...
	Males	228	163	19	24	16	.....	1	1	...
	Females	216	158	16	25	12	.....	1	2	...
Jackson	Totals	778	562	96	49	37	5	3	5	
	Males	389	274	51	30	17	2	1	1	
	Females	389	288	45	19	20	3	2	4	
Kalamazoo	Totals	613	416	96	55	40	1	.....	4	...
	Males	319	220	53	25	17	.....	.....	3	...
	Females	294	196	43	30	23	1	.....	1	...
Kalkaska	Totals	95	76	1	10	7	.....	.....	1	...
	Males	46	35	1	6	3	.....	.....	1	...
	Females	49	41	.....	4	4	.....	.....	.....	...
Kent	Totals	2,399	1,062	769	300	191	.....	1	19	
	Males	1,237	549	390	156	103	.....	.....	10	
	Females	1,162	513	379	144	88	.....	1	9	...
Keweenaw	Totals	115	20	82	10	3	.....	.....	.....	...
	Males	62	9	45	7	1	.....	.....	.....	...
	Females	53	11	37	3	2	.....	.....	.....	...
Lake	Totals	114	79	12	14	3	1	.....	1	...
	Males	57	39	4	8	2	1	.....	1	...
	Females	57	40	8	6	1	.....	.....	.....	...
Lapeer	Totals	352	236	31	54	30	.....	.....	.....	
	Males	178	122	19	25	11	.....	.....	.....	
	Females	174	114	12	29	19	.....	.....	.....	...
Leelanau	Totals	226	121	42	33	27	1	.....	1	.
	Males	122	64	30	14	14	.....	.....	.....	...
	Females	104	57	12	19	13	1	.....	1	
Lenawee	Totals	556	464	34	31	25	1	.....	1	...
	Males	269	217	17	19	15	.....	.....	1	...
	Females	287	247	17	12	10	1	.....	.....	...
Livingston	Totals	204	173	10	11	10	.....	.....	.....	...
	Males	105	84	7	7	7	.....	.....	.....	...
	Females	99	89	3	4	3	.....	.....	.....	...
Luce	Totals	64	18	31	6	8	.....	1	.....	...
	Males	38	9	18	4	7	.....	.....	.....	...
	Females	26	9	13	2	1	.....	1	.....	...
Mackinac	Totals	90	34	29	15	9	.....	1	2	...
	Males	45	14	15	10	5	.....	.....	1	...
	Females	45	20	14	5	4	.....	1	1	...
Macomb	Totals	545	401	51	56	34	.....	.....	2	
	Males	295	209	32	36	17	.....	.....	1	...
	Females	250	192	19	20	17	.....	.....	1	

Table II.—Continued.—Births by counties, parent nativity and sex, 1903.

Counties.	Sex.	Children born.	Nativity of parents of children born in 1903.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father— Native.	Mother unknown. Father— Foreign.	Father unknown. Mother— Native.	Father unknown. Mother— Foreign.	Both unknown.
Manistee	Totals	500	152	203	78	37	3	21	1	2	3
	Males	264	85	107	40	15	2	13	1	.....	1
	Females	236	67	96	38	22	1	8	.....	2	2
Marquette	Totals	1,307	223	824	180	69	.....	.....	6	4	1
	Males	703	130	428	100	39	.....	.....	3	2	1
	Females	604	93	396	80	30	.....	.....	3	2	....
Mason	Totals	375	177	116	53	25	1	1	2	.....	....
	Males	170	77	59	22	11	.....	.....	1	.....	....
	Females	205	100	57	31	14	1	1	1	.....	....
Mecosta	Totals	292	212	33	32	11	1	.....	1	.....	2
	Males	147	108	16	16	4	.....	.....	1	.....	2
	Females	145	104	17	16	7	1	.....	.....	.....	....
Menominee	Totals	586	158	292	96	30	1	2	1	.....	6
	Males	297	76	140	61	16	1	1	1	.....	1
	Females	289	82	152	35	14	.....	1	.....	.....	5
Midland	Totals	286	177	40	43	25	.....	.....	1	.....	....
	Males	147	93	18	19	16	.....	.....	1	.....	....
	Females	139	84	22	24	9	.....	.....	.....	.....	....
Missaukee	Totals	148	64	45	28	11	.....	.....	.....	.....	....
	Males	83	34	25	15	9	.....	.....	.....	.....	....
	Females	65	30	20	13	2	.....	.....	.....	.....	....
Monroe	Totals	585	500	28	26	27	1	.....	2	.....	1
	Males	298	255	16	14	11	1	.....	1	.....	....
	Females	287	245	12	12	16	.....	.....	1	.....	1
Montcalm	Totals	446	305	50	61	25	1	.....	3	.....	1
	Males	194	134	16	25	15	1	.....	2	.....	1
	Females	252	171	34	36	10	.....	.....	1	.....	....
Montmorency	Totals	65	26	13	21	4	.....	.....	.....	.....	1
	Males	33	13	6	11	3	.....	.....	.....	.....	....
	Females	32	13	7	10	1	.....	.....	.....	.....	1
Muskegon	Totals	665	315	189	82	62	9	3	3	1	1
	Males	332	154	97	39	31	6	1	3	.....	1
	Females	333	161	92	43	31	3	2	.....	1	....
Newaygo	Totals	226	158	29	31	8	.....	.....	.....	.....	....
	Males	118	85	12	18	3	.....	.....	.....	.....	....
	Females	108	73	17	13	5	.....	.....	.....	.....	....
Oakland	Totals	598	425	56	76	35	.....	.....	2	.....	4
	Males	311	214	35	38	21	.....	.....	1	.....	2
	Females	287	211	21	38	14	.....	.....	1	.....	2
Oceana	Totals	250	182	21	23	21	1	.....	1	.....	1
	Males	132	89	12	17	11	1	.....	1	.....	1
	Females	118	93	9	6	10	.....	.....	.....	.....	....
Ogemaw	Totals	154	70	30	32	17	3	.....	.....	.....	2
	Males	87	40	15	21	9	2	.....	.....	.....	....
	Females	67	30	15	11	8	1	.....	.....	.....	2
Ontonagon	Totals	234	93	95	21	10	9	1	2	.....	3
	Males	128	55	47	12	6	5	1	1	.....	1
	Females	106	38	48	9	4	4	.....	1	.....	2
Osceola	Totals	407	243	56	58	34	.....	.....	1	.....	15
	Males	209	125	24	31	20	.....	.....	.....	.....	9
	Females	198	118	32	27	14	.....	.....	1	.....	6

Table II.—Concluded.—Births by counties, parent nativity and sex, 1903.

Counties.	Sex.	Children born.	Nativity of parents of children born in 1903.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father—		Father unknown. Mother—		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Oscoda	Totals	29	20	2	6	1	...	...	...	...	...
	Males	18	13	1	3	1	...	...	...	...	...
	Females	11	7	1	3	...	...	...	...	...	...
Otsego	Totals	113	43	42	19	5	...	1	2	...	1
	Males	67	24	27	13	1	...	1	1	...	...
	Females	46	19	15	6	4	...	...	1	...	1
Ottawa	Totals	807	450	177	95	79	1	4	...	...	1
	Males	424	225	95	55	46	...	3	...	...	...
	Females	383	225	82	40	33	1	1	...	...	1
Presque Isle	Totals	226	93	60	48	19	...	...	...	...	...
	Males	107	48	26	27	6	...	...	...	...	...
	Females	119	45	40	21	13	...	...	...	...	...
Roscommon	Totals	40	23	4	7	5	...	...	1	...	...
	Males	22	13	2	4	2	...	...	1	...	...
	Females	18	10	2	3	3	...	...	...	...	...
Saginaw	Totals	2,016	1,073	448	324	171	...	...	...	...	...
	Males	1,106	581	244	182	99	...	...	...	...	...
	Females	910	492	204	142	72	...	...	...	...	...
St. Clair	Totals	950	476	181	180	107	...	2	2	...	2
	Males	496	244	94	96	59	...	1	...	...	2
	Females	454	232	87	84	48	...	1	2	...	...
St. Joseph	Totals	328	288	10	12	13	4	...	...	...	1
	Males	165	141	7	7	7	2	...	...	...	1
	Females	163	147	3	5	6	2	...	...	...	...
Sanilac	Totals	660	258	146	172	82	...	...	1	1	...
	Males	357	149	76	90	41	...	...	1	...	...
	Females	303	109	70	82	41	...	...	...	1	...
Schoolcraft	Totals	176	55	75	27	15	4	...	...	...	...
	Males	93	31	42	13	5	2	...	...	...	...
	Females	83	24	33	14	10	2	...	...	...	...
Shiawassee	Totals	413	310	23	39	30	3	1	3	2	2
	Males	216	164	13	22	13	2	...	1	1	...
	Females	197	146	10	17	17	1	1	2	1	2
Tuscola	Totals	563	345	62	99	54	...	1	...	1	1
	Males	309	196	35	48	27	...	1	...	1	1
	Females	254	149	27	51	27	...	...	...	...	...
Van Buren	Totals	413	357	21	16	13	3	1	1	...	1
	Males	210	178	10	14	5	1	1	...	...	1
	Females	203	179	11	2	8	2	...	1	...	...
Washtenaw	Totals	497	349	53	49	43	1	...	1	...	1
	Males	245	168	26	27	22	1	...	...	...	1
	Females	252	181	27	22	21	...	...	1	...	...
Wayne	Totals	8,286	2,633	3,451	988	702	16	18	52	24	402
	Males	4,270	1,365	1,761	507	356	11	8	27	15	220
	Females	4,016	1,268	1,690	481	346	5	10	25	9	182
Wexford	Totals	325	206	48	43	26	...	1	1	...	...
	Males	161	104	18	24	14	...	1	...	...	...
	Females	164	102	30	19	12	...	...	1	...	...

Table III.—Stillbirths, twins and illegitimate births in Michigan, by counties, a enumerated by supervisors and assessors for the year 1903.

State and counties.	Number of stillbirths in 1903, as returned in births.	Number of twins born in 1903.*	Number of illegitimate children born in 1903.*
STATE	509	774	49
Alcona	4		
Alger		2	
Allegan	1	8	
Alpena	9	14	
Antrim	2	2	
Arenac	1		
Baraga	12	4	
Barry		8	
Bay	10	26	
Benzie	3	4	
Berrien	2	10	
Branch	3	2	
Calhoun	7	10	
Cass	7	10	
Charlevoix	2	4	
Cheboygan	7	4	
Chippewa	10	10	2
Clare	3		
Clinton	4	14	
Crawford			
Delta	9	10	
Dickinson	7	18	
Eaton	5	14	
Emmet	3	8	
Genesee	3	10	
Gladwin		6	
Gogebic	4	14	
Grand Traverse	12	6	
Gratiot	5	6	
Hillsdale	3		
Houghton	38	34	1
Huron	11	12	
Ingham	3	12	
Ionia	3	4	
Iosco	4	6	
Iron		12	
Isabella	4	10	
Jackson	15	12	
Kalamazoo	4		
Kalkaska		8	
Kent	20	36	1
Keweenaw		4	
Lake	3	4	
Lapeer	2	2	
Leelanau	3	6	
Lenawee	8	6	
Livingston	5	2	
Luce	1	2	
Mackinac			
Macomb	3	8	
Manistee	5	8	
Marquette	37	24	
Mason	5	8	
Mecosta	7	6	
Menominee	11	4	

Table III.—Concluded.—Stillbirths, twins and illegitimate births, by counties, year 1903.

Counties.	Number of stillbirths in 1903, as returned in births.	Number of twins born in 1903.*	Number of illegitimate children born in 1903.*
Midland	1	.....	4
Missaukee	2	.....	.....
Monroe	6	12	.....
Montcalm	2	4	2
Montmorency	2	2	.....
Muskegon	6	22	3
Newaygo	6	12	.....
Oakland	4	10	1
Oceana	1	2	1
Ogemaw	.....	.....	.....
Ontonagon	3	2	2
Osceola	6	2	16
Oscoda	.....	.....	.....
Otsego	2	2	.....
Ottawa	15	6	.....
Presque Isle	17	6	.....
Roscommon	.....	.....	1
Saginaw	23	42	3
St. Clair	8	16	2
St. Joseph	4	4	2
Sanilac	6	6	6
Schoolcraft	2	6	.....
Shiawassee	6	.....	2
Tuscola	.....	6	2
Van Buren	3	8	1
Washtenaw	4	4	1
Wayne	50	138	297
Wexford	.....	8	2

* Stillbirths included.

TRIPLETS.—There were three cases of triplets reported in 1903, as follows: Alpena county, born in July, three males, parents both native; Midland county, born in November, three males, foreign mother, native father; Newaygo county, born in August, two males, one female, parents both native.

Table IV.—Stillbirths, twins and illegitimate births in Michigan, by months and sex, as enumerated by supervisors and assessors for the year 1903. Also number of stillbirths registered as deaths and returned by registrars for the same year.

Condition.	Sex.	Year, 1903.	Months of births, 1903.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Stillbirths (from returns of births)....	Totals...	509	32	44	34	40	45	35	33	48	36	49	53	56	4
	Males....	294	20	24	16	25	21	19	16	30	26	31	28	35	3
	Females.	215	12	20	18	15	24	16	17	18	10	18	25	21	1
Twins*.....	Totals...	774	48	56	72	54	70	78	64	64	66	70	64	68	..
	Males....	407	26	30	24	31	45	39	43	30	38	37	36	28	..
	Females.	367	22	26	48	23	25	39	21	34	28	33	28	40	..
Illegitimates*	Totals...	490	48	39	45	25	56	45	40	38	31	44	37	40	2
	Males....	254	24	24	25	14	34	22	21	17	12	22	19	19	1
	Females.	236	24	15	20	11	22	23	19	21	19	22	18	21	1
Stillbirths (from returns of deaths)....	Totals...	1,814	154	145	165	177	146	152	149	157	137	152	158	122	..
	Males....	1,054	82	92	84	106	90	96	92	75	86	92	92	67	..
	Females.	700	72	53	81	71	56	56	57	82	51	60	66	55	..

* Stillbirths included.

Table V.—Stillbirths, twins and illegitimate births in Michigan, by nativity of parents, as enumerated by supervisors and assessors for the year 1903.

Nativity of parents.	Number of stillborn children, 1903.			Number of twins, 1903.*			Number of illegitimate children, 1903.*		
	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
All nativities	509	294	215	774	407	367	490	254	236
Both native born	254	150	104	384	193	191	36	16	20
Both foreign born	147	85	62	202	98	104	11	5	6
Foreign father and native mother	73	43	30	102	62	40	4	2	2
Foreign mother and native father	19	11	8	60	39	21	4	2	2
Unknown mother, father native	5	3	2	4	2	2	2	.....	2
Unknown mother, father foreign	.....	.....	.....	2	.....	2	2	2	.....
Unknown father, mother native	4	.....	4	10	6	4	113	57	56
Unknown father, mother foreign	.....	.....	.....	8	6	2	59	31	28
Both unknown	7	2	5	2	1	1	259	139	120
One parent native	355	207	148	560	302	258	159	77	82
One parent foreign	239	139	100	374	205	169	80	42	38

* Stillbirths included.

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Table V.—Stillbirths, twins and illegitimate births in Michigan, 1 as enumerated by supervisors and assessors for the y

Nativity of parents.	Number of stillborn children, 1903.			Number 1903	
	Total.	Males.	Females.	Total.	Males.
All nativities	509	294	215	774	40
Both native born	254	150	104	384	19
Both foreign born	147	85	62	202	9
Foreign father and native mother	73	43	30	102	6
Foreign mother and native father	19	11	8	60	3
Unknown mother, father native	5	3	2	4	
Unknown mother, father foreign	.....	.....	.....	2	...
Unknown father, mother native	4	.....	4	10	
Unknown father, mother foreign	.....	.....	.....	8	
Both unknown	7	2	5	2	
One or both native	355	207	148	560	
One or both foreign	239	139	100	374	

* Stillbirths included.

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THIRTY-EIGHTH ANNUAL REPORT

OF THE

SECRETARY OF STATE

ON THE

REGISTRATION

OF

BIRTHS AND DEATHS

MARRIAGES AND DIVORCES

IN

MICHIGAN

FOR THE YEAR 1904.

GEORGE A. PRESCOTT

SECRETARY OF STATE

BY AUTHORITY

LANSING, MICHIGAN
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1908

LETTER OF TRANSMITTAL.

STATE DEPARTMENT,
Lansing, Mich., February 26, 1908.

To His Excellency, Fred M. Warner, Governor:

Sir—I hereby transmit the Thirty-eighth Annual Registration Report of Michigan, containing statistics of births and deaths, marriages and divorces in this State during the year 1904, as required by law.

Respectfully,

GEORGE A. PRESCOTT,
Secretary of State.

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1908

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THIRTY-EIGHTH ANNUAL

REGISTRATION REPORT OF MICHIGAN

CONTAINING VITAL STATISTICS FOR THE YEAR 1904.

PART I.—VITAL STATISTICS AND POPULATION, 1904.

Vital Statistics may be defined as the science of numbers applied to the life history of communities and nations, and in the following pages the chief statistical facts concerning the various phases and stages of life will be in turn presented.

To obtain correct and complete vital statistics it is essential to have (1) a correct enumeration of the population classified according to age, sex, occupation, etc.; and (2) a complete and accurate registration of births and deaths and other important events in the life history of individuals, as marriage and sickness, classified on the same basis as the statistics of population.

An accurate estimate of population is the first requisite, for population forms the natural basis of all vital statistics. In comparing different communities it is necessary to state the deaths and other statistical data in terms of the population, otherwise no true comparison can be instituted.

The actual population is known only by census enumerations. For the intervening years between two census enumerations estimates of the population are made.

Next to a correct enumeration of population the accurate and complete registration of births and deaths, marriages and divorces, constitutes an essential basis of vital statistics.

This part of the report is intended to give a general idea of the results of registration during the year 1904, and to serve as an introduction to the more detailed study of the statistics in the divisions following.

This is the seventh report issued from this Department since the operation of the new registration law for deaths, which went into effect August 29, 1897.

VITAL STATISTICS RETURNED FOR 1904.

In the following summary will be found some of the principal facts relating to returns of vital statistics in the State for the year 1904:

Total number of deaths, 1904	34,494
Deaths per 1,000 population, 1904	13.6
Total number of marriages, 1904	24,918
Persons married, 1904	49,836
Persons married per 1,000 population, 1904	19.7
Total number of divorces, 1904	2,773
Persons divorced per 1,000 population, 1904	2.2
Total number of births, 1904	47,085
Births per 1,000 population, 1904	18.8

The usual comparison of births and deaths, their difference constituting what is known as the natural increase of population, cannot be made, since the improved accuracy of the returns of deaths removes them from the plane of comparison with the very imperfect returns of births.

RETURNS BY MONTHS.

The distribution of the returns by months during the year 1904 may be seen in Table 1. The average daily numbers of deaths, marriages and births are also given for the year and months. This average enables comparisons to be made of the rates of mortality, nuptiality, and natality between the several months with as much accuracy as by computation of rates. The imperfections of the returns of births, however, invalidate the figures in this respect. It will be noted that the month of greatest mortality was February and the month of least daily mortality was June. The maximum number of marriages per day was in the month of June, and the least number in February. Owing to the large number of marriages of non-residents included in the returns, most of which were performed at St. Joseph during the summer excursion season, the relations of the months in regard to marriages of inhabitants of this State are not correctly shown. The highest daily number of births was in August, and the least daily number in January. As the deaths are much more accurately registered than the births, no inferences can be drawn as to the amount of natural increase in the several months of the year.

Table 1.—Births, marriages and deaths in Michigan, by months, 1904.

	Total number registered, 1904.	Returns by months, 1904.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
DEATHS:*													
Number	34,494	3,188	3,423	3,417	3,265	2,987	2,438	2,555	2,650	2,664	2,604	2,430	2,873
Daily average	94.5	102.5	122.3	110.2	108.5	96.4	81.3	82.4	85.5	88.8	84.0	81.0	92.7
MARRIAGES:													
Number	24,918	1,498	1,454	1,466	2,065	1,847	2,966	1,813	2,081	2,460	2,490	2,647	2,125
Daily average	68.3	48.3	50.9	47.3	68.6	59.6	98.6	58.5	67.1	82.0	80.3	88.2	68.5
BIRTHS:†													
Number	47,508	3,310	3,509	3,961	3,885	4,102	3,913	4,079	4,312	4,295	5,254	3,732	4,125
Daily average	130.4	106.8	125.3	127.8	129.5	132.3	130.4	131.6	139.1	143.2	169.4	124.4	133.1

* Stillbirths excluded.
† Stillbirths included.

arriages, births and deaths registered in Michigan for the years 1867-1904, s per 1,000 population. (Stillbirths included in births but not in deaths).

ars.	Population.	Registration returns, 1867-1904.			Rates per 1,000 population.		
		Number of marriages.	Number of births.*	Number of deaths.†	Persons married.	Births.*	Deaths.†
.....	993,902	4,312	14,000	4,409	.....	.....	.....
.....	1,057,288	8,697	25,020	8,189	16.5	23.7	7.7
.....	1,120,673	8,459	27,093	9,016	15.1	24.2	8.0
.....	**1,184,059**	**9,791**	**26,663**	**10,540**	**16.5**	**22.5**	**8.9**
.....	1,221,552	10,605	25,992	9,460	17.4	21.3	7.7
.....	1,259,045	10,752	27,993	13,167	17.1	22.2	10.5
.....	1,296,538	11,897	34,608	13,984	18.4	26.7	10.8
.....	**1,334,031**	**12,255**	**31,151**	**12,036**	**18.4**	**23.4**	**9.0**
.....	1,384,515	11,851	31,958	11,361	17.1	23.1	8.2
.....	1,435,000	11,913	34,235	11,930	16.6	23.9	8.3
.....	1,485,484	11,899	33,395	12,199	16.0	22.5	8.2
.....	1,535,968	12,880	35,162	11,973	16.8	22.9	7.7
.....	1,586,453	13,892	34,122	13,658	17.5	21.5	8.6
.....	**1,636,937**	**14,935**	**35,323**	**15,364**	**18.2**	**21.6**	**9.4**
.....	1,691,117	15,894	34,749	18,547	18.8	20.5	11.0
.....	1,745,298	16,830	37,026	15,633	19.3	21.2	9.0
.....	1,799,478	17,174	40,809	16,022	19.1	22.7	8.9
.....	**1,853,658**	**15,989**	**40,406**	**17,137**	**17.3**	**21.8**	**9.2**
.....	1,893,697	15,885	42,119	15,638	16.8	22.2	8.3
.....	1,933,735	16,665	41,095	17,278	17.2	21.3	8.9
.....	1,973,774	17,179	46,226	18,585	17.4	23.4	9.4
.....	2,013,812	17,297	48,952	20,406	17.2	24.3	10.1
.....	2,053,851	18,317	49,272	19,113	17.8	24.0	9.3
.....	**2,093,889**	**18,664**	**52,306**	**20,245**	**17.8**	**25.0**	**9.7**
.....	2,130,827	19,244	50,812	20,989	18.1	23.8	9.9
.....	2,167,765	20,107	46,221	20,715	18.6	21.3	9.6
.....	2,204,703	19,197	47,722	20,963	17.4	21.6	9.5
.....	**2,241,641**	**18,220**	**44,596**	**19,957**	**16.3**	**19.9**	**8.9**
.....	2,271,531	18,952	46,273	21,648	16.7	20.4	9.5
.....	2,301,421	18,897	46,302	20,729	16.4	20.1	9.0
.....	2,331,311	18,579	43,688	19,150	15.9	18.7	8.2
.....	2,361,201	20,138	43,462	28,248	17.1	18.4	12.0
.....	2,391,091	21,877	41,818	32,500	18.3	17.5	13.6
.....	**2,420,982**	**23,295**	**43,699**	**32,559**	**19.2**	**18.1**	**13.4**
.....	2,450,872	24,079	43,221	32,834	19.6	17.6	13.4
.....	2,475,499	25,653	45,546	31,472	20.7	18.4	12.7
.....	2,502,758	26,029	46,020	33,176	20.8	18.4	13.3
.....	**2,530,016**	**24,913**	**47,085**	**34,494**	**19.7**	**18.6**	**13.6**

ded in births. For the years 1867-1873 and 1898-1901 only those returned as births are so included.
included. ‡ From April 5 to December 31, 1867. § Census years.

Table 3.—Persons married per 1,000 living population in certain countries and states during the years 1890-1904.

Country or state.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
Austria	15.1	15.6	15.6	15.9	15.9	16.2	15.9	16.2	15.7	16.6	16.5	16.3	15.5	.....	15.5
Belgium	14.6	15.0	15.4	15.2	15.0	15.5	16.2	16.5	16.6	16.5	17.2	17.4	16.2	14.2	16.0
Denmark	13.8	13.6	13.5	14.0	13.8	14.1	14.5	14.9	15.1	15.0	15.3	14.4	14.2	14.2	14.3
France	14.0	14.9	15.1	14.9	14.9	14.7	15	15.1	14.8	15.3	15.5	15.6	15.1	15.3	15.2
German Empire	16.1	16.1	15.9	15.8	15.9	15.9	16	16.7	16.9	17.1	17.0	16.5	15.8	.....	16.1
Prussia	16.4	16.3	16.1	16.1	16.1	16.0	16.5	16.8	16.9	17.0	17.1	16.6	16.0	16.0	16.2
Holland	14.0	14.2	14.4	14.6	14.4	14.8	15.0	14.8	14.6	14.8	15.2	15.4	15.2	14.9	14.7
Hungary	16.4	17.2	18.4	18.8	18.6	17.0	16.2	16.4	16.8	18.2	17.8	17.6	17.2	16.2	18.2
Italy	14.7	15.0	14.9	14.8	14.9	14.6	14.1	14.4	13.8	14.7	14.4	14.5	14.5	14.3	14.9
Japan	16.1	16.0	17.0	17.3	17.3	17.3	23.5	16.9	21.5	13.4	15.4	16.7	.....	.....	16.9
New South Wales	14.3	14.8	13.6	12.9	12.5	12.8	13.4	13.7	13.5	13.9	14.8	15.4	15.0	13.7	14.4
New Zealand	12.2	12.1	12.5	12.4	12.3	11.9	13.7	13.7	13.8	14.6	15.3	15.7	16.0	16.5	16.5
Norway	13.0	13.2	12.7	12.9	12.8	13.0	13.4	13.4	14.0	14.3	13.8	13.2	12.8	12.0	11.9
Russia (European)	16.4	16.6	18.4	17.2	18.8	18.4	17.4	18.2	17.4	18.4	.....	.....	.....	.....	.....
Sweden	12.0	11.7	11.4	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.3	12.1	11.9	11.5	11.7
Switzerland	14.1	14.3	14.6	14.4	14.4	14.6	15.1	15.2	15.6	15.6	15.5	15.2	14.9	14.9	14.9
United Kingdom	14.5	14.6	14.5	13.9	14.2	14.3	15.0	15.2	15.4	15.6	15.1	15.1	15.1	14.9	14.6
England and Wales	15.0	15.6	15.4	14.7	15.0	15.0	15.7	16.0	16.2	16.5	16.0	15.9	15.9	15.6	15.2
Ireland	8.9	9.2	9.3	9.4	9.4	10.1	10.2	10.1	10.0	9.9	9.5	10.2	10.4	10.4	10.4
Scotland	13.7	13.9	14.1	13.2	13.3	13.5	14.2	14.4	14.8	15.0	14.6	14.0	14.1	14.1	13.9
United States:															
Massachusetts	18.6	18.9	19.2	19.1	16.9	18.5	18.1	17.6	16.5	17.2	17.4	17.3	17.5	17.9	16.9
Michigan	17.8	18.1	18.6	17.4	16.3	16.7	16.4	15.9	17.1	18.3	19.2	19.6	20.7	20.8	19.7
Rhode Island	18.4	18.5	19.1	18.7	17.4	18.2	17.0	15.6	15.8	16.2	18.4	17.6	18.5	19.2	17.8

NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

COMPARISON OF 1904 WITH PREVIOUS YEARS OF REGISTRATION.

The vital statistics for the year 1904 may be compared with the returns for the preceding years of registration by means of Table 2. In this Table estimated populations are presented for the intercensal years, by whose aid the death rates, marriage rates and birth rates may be computed for each year, and thus fairly accurate comparisons be made of the data, with allowance for the increase of population of the State.

According to the returns the number of marriages recorded in 1904 was 24,918 which was slightly less than for the two years immediately preceding. The marriage rate for the year was 19.7 per 1,000 population; that for the preceding year being 20.8 and for 1902, 20.7 per 1,000 estimated population.

The number of births for the year, 47,085, exceeded the number returned for 1903 by 1,056, and the number for 1902 by 1,539.

Table 4.—Births registered per 1,000 living population in certain countries and states during the years 1890-1904. (Stillbirths excluded).

Country or state.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
Austria	36.5	38.3	36.1	38.0	36.8	38.1	38.0	37.5	36.3	37.3	37.3	36.6	37.0	.....	35.4
Belgium	29.0	30.0	28.9	29.6	29.0	28.6	29.0	29.0	28.6	48.8	29.0	29.4	28.4	27.5	27.1
Denmark	30.6	30.9	29.5	30.5	30.1	30.0	30.3	29.7	30.2	29.8	29.8	29.9	29.2	28.7	28.9
France	21.8	22.6	22.3	22.8	22.3	21.7	22.5	22.2	21.8	21.9	21.4	22.0	21.7	21.1	20.9
German Empire	35.7	37.0	35.7	36.8	35.9	36.1	36.3	36.0	36.1	35.8	35.6	35.7	35.1	.....	34.1
Prussia	36.6	37.7	36.3	37.5	36.6	36.9	36.9	36.5	36.7	36.3	36.1	36.2	35.6	34.5	34.7
Holland	32.9	33.7	32.0	32.9	32.7	32.8	32.7	32.5	31.9	32.0	31.5	32.3	31.8	31.6	31.4
Hungary	40.3	42.3	40.4	42.6	41.5	41.8	40.5	40.3	37.7	39.3	39.3	37.8	38.8	36.7	37.0
Italy	35.8	37.2	36.2	36.5	35.5	34.9	34.8	34.7	33.5	33.9	33.0	32.6	33.3	31.5	32.6
Japan	28.5	26.8	29.4	28.5	28.9	29.5	30.0	30.9	31.3	31.4	31.4	32.7	.....	.....	30.6
New South Wales	35.4	34.5	34.0	33.5	31.7	31.0	28.7	28.9	27.6	27.3	27.4	27.6	27.1	25.3	26.7
New Zealand	29.4	29.0	27.8	27.5	27.3	26.8	26.3	26.0	25.7	25.1	25.6	26.3	25.9	26.6	26.9
Norway	30.3	30.9	29.6	30.7	29.8	30.6	30.4	30.0	30.3	30.9	30.1	29.7	29.1	28.7	28.1
Russia (European)	48.2	48.8	47.2	47.0	48.7	49.4	49.7	49.5	48.7	49.0	.....	.....	.....	.....	.....
Sweden	28.0	28.3	27.0	27.4	27.1	27.5	27.2	26.7	27.1	26.4	27.0	27.0	26.5	25.6	25.8
Switzerland	26.6	28.2	27.7	27.9	27.3	27.3	28.1	28.3	28.5	29.0	28.6	29.1	28.7	27.7	27.7
United Kingdom	29.2	30.4	29.5	29.8	28.8	29.4	29.0	28.0	28.7	28.5	28.2	28.0	28.0	27.9	27.5
England and Wales	30.2	31.4	30.4	30.7	29.6	30.3	29.6	29.6	29.3	29.1	28.7	28.5	28.5	28.4	27.9
Ireland	22.3	23.1	22.5	23.0	23.0	23.3	23.7	23.5	23.3	23.1	22.7	22.7	23.0	23.1	23.6
Scotland	30.4	31.2	30.7	30.8	29.9	30.0	30.4	30.0	30.1	29.8	29.6	29.5	29.2	29.2	28.7
United States*	26.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.2	.....	.....	.....	.....
Connecticut	23.3	24.8	24.7	25.4	24.9	24.4	24.9	23.3	23.5	22.6	22.6	22.3	22.5	22.7	23.4
Massachusetts	25.8	27.5	28.1	28.1	27.4	27.0	28.3	28.0	27.3	25.7	26.2	25.1	24.6	24.5	24.4
Michigan	19.8	20.8	20.9	21.2	19.4	19.9	19.6	18.3	18.2	17.2	17.8	17.5	18.4	18.4	18.6
New Jersey	20.9	19.5	20.3	21.0	21.3	19.0	18.2	17.9	18.0	15.9	17.1	18.1	17.8	18.5	18.8
Rhode Island	24.7	26.5	25.2	26.5	26.6	25.7	27.3	26.8	25.9	25.6	25.9	25.8	25.1	25.3	25.8

* Imperfect data.
NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

MICHIGAN VITAL STATISTICS COMPARED WITH THOSE OF OTHER STATES AND COUNTRIES.

As stated in previous Reports, the significance of the vital rates of any state or country cannot be fully known until comparisons have been made with those of other. While the crude marriage, birth and death rates are not sufficient for the formation of absolutely reliable conclusions relative to the exact intensity of the marriage movement, or of the fecundity or sanitary condition of the populations so measured, nevertheless the crude rates, taken without correction for dissimilar constitution of the population, must always form the first step in the comparative study of vital statistics. By means of the data contained in Tables 3, 4, and 5, which are chiefly derived from the tables of international statistics printed in the last Report of the Registrar-General of England, the vital rates of Michigan for fifteen

years past may be compared with those of various European countries, and also with the rates of certain states in this country and with those of New Zealand and New South Wales, as representative of the vital statistics of Australasia.

Table 5.—Deaths registered per 1,000 living population in certain countries and states during the years 1890-1904. (Stillbirths excluded.)

Country or state.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
Austria	29.3	28.1	28.7	27.2	27.9	27.6	26.3	25.6	24.9	25.6	25.3	24.0	24.7	.....	23.7
Belgium	20.8	21.2	21.8	20.3	18.6	19.5	17.5	17.3	17.6	18.8	19.3	17.2	17.3	17.0	16.9
Denmark	19.0	20.0	19.4	18.8	17.4	16.8	15.6	16.5	15.5	17.3	16.9	15.8	14.6	14.6	14.1
France	22.8	22.9	22.8	22.5	21.2	22.2	20.0	19.4	20.9	21.1	21.9	20.1	19.5	19.2	19.4
German Empire	24.3	23.4	24.1	24.6	22.3	22.1	20.8	21.3	20.5	21.5	22.1	20.7	19.4	.....	19.6
Prussia	24.0	22.9	23.4	24.2	21.8	21.8	20.7	20.9	20.0	21.4	21.8	20.5	19.2	19.8	19.2
Holland	20.5	20.7	21.0	19.2	18.5	18.6	17.2	16.9	17.0	17.1	17.8	17.2	16.3	15.6	15.9
Hungary	32.4	33.1	35.1	31.2	30.5	29.7	28.9	28.5	28.0	27.2	26.9	25.4	27.0	26.1	24.8
Italy	26.3	26.1	26.2	25.2	25.0	25.0	24.1	21.9	22.9	21.9	23.8	22.0	22.1	22.2	20.9
Japan	20.4	21.0	21.6	22.7	20.1	20.2	21.4	20.3	20.4	21.1	20.3	20.3	.....	.....	21.2
New South Wales	12.9	14.3	12.2	13.3	12.4	11.9	12.5	11.0	12.7	11.9	11.2	11.7	11.9	11.6	10.6
New Zealand	9.7	10.3	10.1	10.2	10.2	9.9	9.1	9.1	9.8	10.2	9.4	9.8	10.5	10.4	9.6
Norway	17.9	17.5	17.8	16.3	16.9	15.7	15.2	15.3	15.3	16.9	15.9	14.9	13.9	14.8	14.3
Russia (European)	35.7	34.6	42.1	33.1	34.0	35.0	32.8	31.4	33.2	31.0	.....	.....	.....	.....	.....
Sweden	17.1	16.8	17.9	16.8	16.4	15.2	15.6	15.4	15.1	17.0	16.8	16.1	15.4	15.1	15.3
Switzerland	20.9	20.6	19.0	20.1	20.1	19.2	17.8	17.7	18.3	17.7	19.3	18.0	17.2	17.6	17.8
United Kingdom	19.4	20.0	19.0	19.0	16.8	18.7	16.9	17.6	17.7	18.2	18.4	17.1	16.5	15.8	16.5
England and Wales	19.5	20.2	19.0	19.2	16.6	18.7	17.1	17.4	17.5	18.2	16.2	16.9	16.2	15.4	16.2
Ireland	18.2	18.4	19.4	18.0	18.2	18.5	16.7	18.5	18.2	17.7	19.6	17.8	17.5	17.5	18.1
Scotland	19.7	20.7	18.5	19.3	17.1	19.4	16.6	18.4	18.0	18.1	18.5	17.9	17.2	16.6	16.9
United States*	19.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.8	.....	.....	.....	.....
Connecticut	18.3	19.2	19.0	18.6	16.8	17.8	17.5	15.7	15.8	15.7	18.0	16.2	15.2	16.1	16.1
Massachusetts	19.4	19.7	20.9	20.7	19.1	19.0	19.3	18.1	17.5	17.4	18.2	16.8	16.2	16.4	15.8
Michigan	9.7	9.9	9.6	9.5	8.9	9.5	9.0	8.2	†12.0	13.6	13.4	13.4	12.7	13.3	13.6
New Jersey	19.8	19.5	21.6	19.9	19.1	18.3	17.9	16.9	15.1	16.7	16.6	16.5	15.9	15.9	17.1
Rhode Island	20.1	18.6	20.1	19.6	19.1	19.6	19.1	17.6	16.7	17.6	20.6	18.2	17.8	19.0	17.3

* Registration area only.
† New registration law for deaths in effect in Michigan for 1898.

NOTE.—Data for foreign countries taken from International Tables of the English Registrar-General's Report.

RETURNS COMPARED WITH POPULATION, BY COUNTIES, 1904.

In Table 6 populations are given for each of the counties of the State for the year 1904.

The number of deaths, marriages, divorces and births returned from each county are also shown and the corresponding rates per 1,000 population for the year. Following the usual custom, the marriage and divorce rates are stated, not as so many marriages and divorces per thousand population, but as *persons married and persons divorced* per thousand population.

Persons married should properly be compared, not with the total population, but with the number of unmarried persons of marriageable age. In like manner, divorce rates should be based on the number of married persons in the population affording them, and the birth rates should be based upon the number of married couples (neglecting the small factor of illegitimacy), or, as is usually more convenient, by referring to the number of women of child-bearing age in the community. These conclusions are given so that the mistake may not be made of accepting the vital rates given in these tables as absolutely conclusive and hence basing erroneous deductions thereon. Such rates are necessary and form the first step in any statistical investigation of this character, but they require to be fully analyzed before absolutely reliable conclusions can be drawn.

The death rates shown in Table 6 do not, as a rule, vary very widely from the State average of 13.6 per thousand population.

Table 6.—Deaths, marriages, divorces and births in Michigan by counties, for the year 1904, with rates per 1,000 population.

State and counties.	Total population State census of 1904.	Number of deaths registered, 1904.	Number of marriages registered, 1904.	Number of divorces registered, 1904.	Number of births registered, 1904.	Rates per 1,000 population, 1904.			
						Deaths.	Persons married.	Persons divorced.	Births.
STATE....	2,530,016	34,494	24,918	2,773	47,085	13.6	19.7	2.2	18.6
Alcona.....	5,684	60	31	2	105	10.6	10.9	0.7	18.5
Alger.....	6,535	74	57	0	113	11.3	17.4	.....	17.3
Allegan.....	38,948	560	342	52	702	14.4	17.6	2.7	18.0
Alpena.....	19,748	268	163	10	466	13.6	16.5	1.0	23.1
Antrim.....	15,655	231	136	9	266	14.8	17.4	1.1	17.0
Arenac.....	10,184	122	92	10	226	12.0	18.1	2.0	22.2
Baraga.....	5,104	44	48	4	121	8.6	18.8	1.6	23.7
Barry.....	22,025	306	202	41	350	13.9	18.3	3.7	15.9
Bay.....	63,448	788	582	31	1,572	12.4	18.3	1.0	24.8
Benzie.....	10,790	135	101	12	229	12.5	18.7	2.2	21.2
Berrien.....	49,390	639	1,131	78	669	12.9	45.8	3.2	13.6
Branch.....	26,397	382	261	44	390	14.5	19.8	3.3	14.8
Calhoun.....	52,963	748	564	89	672	14.1	21.3	3.4	12.7
Cass.....	20,030	282	229	40	215	14.1	22.9	4.0	10.7
Charlevoix.....	16,278	218	132	5	224	13.4	16.2	0.6	13.1
Cheboygan.....	17,256	195	149	15	255	11.3	17.3	1.7	14.8
Chippewa.....	22,125	277	240	13	436	12.5	21.7	1.2	19.7
Clare.....	9,189	109	98	4	170	11.9	21.3	0.9	18.5
Clinton.....	25,208	313	213	23	451	12.4	16.9	1.8	17.9
Crawford.....	3,854	44	36	4	48	11.4	18.7	2.1	12.5
Delta.....	27,034	415	257	21	578	15.4	19.0	1.6	21.4
Dickinson.....	18,936	215	195	11	664	11.4	20.6	1.2	35.1
Eaton.....	30,706	483	319	60	478	15.7	20.8	3.9	15.6
Emmet.....	17,892	232	172	22	285	13.0	19.3	2.5	15.9
Genesee.....	42,753	582	413	55	610	13.6	19.3	2.6	14.3
Gladwin.....	8,601	56	81	3	158	6.5	18.8	0.7	18.4
Gogebic.....	17,297	214	182	5	511	12.4	21.0	0.6	29.5
Grand Traverse	23,202	381	254	42	363	16.4	21.9	3.6	15.6
Gratiot.....	30,536	389	306	41	518	12.7	20.0	2.7	17.0
Hillsdale.....	29,837	420	284	47	339	14.1	19 0	3.2	11.4
Houghton.....	70,625	926	732	20	2,784	13.1	20.7	0.6	39.4
Huron.....	34,945	358	298	15	702	10.2	17.1	0.9	20.1
Ingham.....	43,607	633	428	41	440	14.5	19.6	1.9	10.1
Ionia.....	34,627	498	375	61	494	14.4	21.7	3.5	14.3
Iosco.....	10,540	114	91	6	236	10.8	17.3	1.1	22.4
Iron.....	8,925	88	80	4	202	9.9	17.9	0.9	22.6
Isabella.....	24,106	235	232	18	465	9.7	19.2	1.5	19.3
Jackson.....	47,122	701	514	76	846	14.9	21.8	3.2	18.0
Kalamazoo.....	49,762	798	576	96	650	16.0	23.2	3.9	13.1
Kalkaska.....	7,608	89	81	13	147	11.7	21.3	3.4	19.3
Kent.....	138,488	2,118	1,498	243	2,570	15.3	21.6	3.5	18.6
Keweenaw.....	4,546	48	31	0	154	10.6	13.6	.....	33.9
Lake.....	4,999	60	36	1	70	12.0	14.4	0.4	14.0
Lapeer.....	27,050	419	249	21	388	15.5	18.4	1.6	14.3
Leelanau.....	10,826	143	98	2	211	13.2	18.1	0.4	19.5
Lenawee.....	49,097	703	442	49	525	14.3	18.0	2.0	10.7
Livingston.....	18,649	262	156	30	233	14.0	16.7	3.2	12.5
Luce.....	3,882	59	32	0	55	15.2	16.5	.....	14.2
Mackinac.....	8,247	102	64	2	108	12.4	15.5	0.5	13.1
Macomb.....	33,095	505	248	36	508	15.3	15.0	2.2	15.3
Manistee.....	27,173	313	213	11	555	11.5	15.7	0.8	20.4
Marquette.....	40,010	493	304	13	1,316	12.3	15.2	0.6	32.9
Mason.....	19,608	243	169	14	413	12.4	17.2	1.4	21.1
Mecosta.....	20,216	279	141	23	324	13.8	.....	2.3	16.0
Menominee.....	26,465	282	456	15	508	10.7	34.5	1.1	19.2

Table 6.—Concluded.—Deaths, marriages, divorces and births in Michigan by counties, for the year 1904.

Counties.	Total population State census of 1904.	Number of deaths registered, 1904.	Number of marriages registered, 1904.	Number of divorces registered, 1904.	Number of births registered, 1904.	Rates per 1,000 population, 1904.			
						Deaths.	Persons married.	Persons divorced.	Births.
Midland	14,636	156	134	6	279	10.7	18.3	0.8	19.1
Missaukee	10,266	108	96	16	188	10.5	18.7	3.1	18.3
Monroe	32,921	421	457	22	612	12.8	27.8	1.3	18.6
Montcalm	33,260	433	297	45	412	13.0	17.9	2.7	12.4
Montmorency	3,515	55	28	2	73	15.6	15.9	1.1	20.8
Muskegon	37,373	516	346	41	633	13.8	18.5	2.2	16.9
Newaygo	18,421	251	149	16	212	13.6	16.2	1.7	11.5
Oakland	45,746	644	358	52	542	14.1	15.7	2.3	11.8
Oceana	17,717	238	154	19	295	13.4	17.4	2.1	16.7
Ogemaw	9,121	97	78	10	120	10.6	17.1	2.2	13.2
Ontonagon	7,166	98	55	1	238	13.7	15.4	0.3	33.2
Osceola	18,633	224	167	21	332	12.0	17.9	2.3	17.8
Oscoda	1,888	11	11	1	36	5.8	11.7	1.1	19.1
Otsego	7,239	83	52	4	115	11.5	14.4	1.1	15.9
Ottawa	42,199	498	418	15	793	11.8	19.8	0.7	18.8
Presque Isle	10,872	96	105	7	278	8.8	19.3	1.3	25.6
Roscommon	1,731	22	14	5	14	18.5	16.2	5.8	8.1
Saginaw	85,671	1,075	803	108	1,949	12.5	18.7	2.5	22.7
St. Clair	55,637	702	504	53	886	12.6	18.1	1.9	15.9
St. Joseph	23,229	338	202	26	289	14.6	17.4	2.2	12.4
Sanilac	34,867	397	266	15	732	11.4	15.3	0.9	21.0
Schoolcraft	8,628	89	86	5	207	10.3	19.9	1.2	24.0
Shiawassee	33,711	435	374	66	408	12.9	22.2	3.9	12.1
Tuscola	35,961	429	296	42	613	11.9	16.5	2.3	17.0
Van Buren	34,965	528	336	55	437	15.1	19.2	3.1	12.5
Washtenaw	46,776	690	359	39	515	14.8	15.3	1.7	11.0
Wayne	396,827	5,954	3,759	443	8,833	15.4	19.4	2.3	22.8
Wexford	19,217	255	200	35	379	13.3	20.8	3.6	19.7

Table 7.—Deaths, marriages, divorces and births in Michigan, by counties, for the years 1903-1904; showing also the increase (or decrease) of the number registered for 1904 as compared with that of the preceding year. (Stillbirths included in births but not in deaths.)

State and counties.	Deaths.			Marriages.			Divorces.			Births.		
	Number in 1904.	Number in 1903.	Increase or decrease.*	Number in 1904.	Number in 1903.	Increase or decrease.*	Number in 1904.	Number in 1903.	Increase or decrease.*	Number in 1904.	Number in 1903.	Increase or decrease.*
STATE	34,494	33,176	1,318	24,918	26,029	—1,111	2,773	2,941	—168	47,508	46,020	1,488
Alcona	60	57	3	31	40	—9	2	1	1	105	98	7
Alger	74	81	—7	57	49	8	0	3	—3	113	126	—13
Allegan	560	462	98	342	362	—20	52	50	2	702	618	84
Alpena	268	229	39	163	188	—25	10	13	—3	466	476	—10
Antrim	231	184	47	136	133	3	9	21	—12	266	270	—4
Arenac	122	83	39	92	95	—3	10	6	4	226	156	70
Baraga	44	54	—10	48	49	—1	4	2	2	121	127	—6
Barry	306	259	47	202	224	—22	41	50	—9	360	313	47
Bay	788	779	9	582	660	—78	31	41	—10	1,572	1,508	64
Benzie	135	143	—8	101	116	—15	12	10	2	229	180	49
Berrien	639	603	36	1,131	1,176	—45	78	67	11	669	611	58
Branch	382	367	15	261	298	—37	44	36	8	290	268	22
Calhoun	748	778	—30	564	601	—37	89	82	7	672	715	—43
Cass	282	276	6	229	240	—11	40	43	—3	215	283	—68
Charlevoix	218	207	11	122	125	—3	5	10	—5	224	230	—6
Cheboygan	195	195	0	149	153	—4	15	14	1	255	384	—129
Chippewa	277	343	—66	240	219	21	13	17	—4	428	472	—44
Clare	109	100	9	98	70	28	4	5	—1	170	189	—19
Clinton	313	310	3	213	254	—41	23	23	.....	451	379	72
Crawford	44	50	—6	36	42	—6	4	2	2	48	11	37
Delta	415	313	102	257	253	4	21	29	—8	578	630	—52
Dickinson	215	260	—45	195	228	—33	11	2	9	664	645	19
Eaton	483	420	63	319	333	—14	60	65	—5	478	421	57
Emmet	232	243	—11	172	181	—9	22	24	—2	285	228	57
Genesee	582	613	—31	413	422	—19	55	65	—10	610	582	28
Gladwin	56	58	—2	81	68	13	3	3	.....	158	136	22
Gogebic	214	285	—71	182	254	—72	5	11	—6	511	542	—31
Grand Traverse	381	300	81	254	273	—19	42	30	12	363	348	15
Gratiot	389	351	38	306	344	—38	41	48	—7	518	418	100
Hillsdale	420	395	25	284	326	—42	47	35	12	339	343	—4
Houghton	926	851	75	732	675	57	20	21	—1	2,784	2,541	243
Huron	358	369	—11	298	273	25	15	14	1	702	703	—1
Ingham	633	503	130	428	482	—54	41	47	—6	449	[illegible]	—[illegible]
Ionia	498	414	84	375	383	—8	61	56	5	494	[illegible]	[illegible]
Iosco	114	122	—8	91	94	—3	6	7	—1	236	219	17

Iron	88	97	—9	80	101	—21	4	4	.....	202	307	—105
Isabella	235	234	1	232	237	—5	18	29	—11	465	444	21
Jackson	701	619	82	514	543	—29	76	79	4	846	778	68
Kalamazoo	798	770	28	576	557	19	96	92	4	650	613	37
Kalkaska	89	115	—26	81	81	.....	13	12	1	147	95	52
Kent	2,118	1,871	247	1,498	1,584	—86	243	270	—27	2,570	2,399	171
Keweenaw	48	45	3	31	22	9	0	2	—2	154	115	39
Lake	60	51	9	36	41	—5	1	4	—3	70	114	44
Lapeer	419	350	69	249	269	—20	21	21	.....	388	352	36
Leelanau	143	130	13	98	84	14	2	1	1	211	226	—15
Lenawee	703	663	40	442	491	—49	49	59	—10	525	556	—31
Livingston	262	268	—6	156	168	—12	30	25	5	233	204	29
Luce	59	99	—40	32	31	1	0	0	.....	55	64	—9
Mackinac	102	71	31	64	72	—8	2	6	—4	108	90	18
Macomb	505	419	86	248	241	7	36	39	—3	508	545	—37
Manistee	313	322	—9	213	243	—30	11	12	—1	555	500	55
Marquette	493	590	—97	304	389	—85	13	15	—2	1,316	1,307	9
Mason	243	182	61	169	149	20	14	21	—7	413	375	38
Mecosta	279	248	31	141	221	—80	23	16	7	324	292	32
Menominee	282	342	—60	456	403	53	15	17	—2	508	586	—78
Midland	156	154	2	134	147	—13	6	18	—12	279	286	—7
Missaukee	108	129	—21	96	97	—1	16	15	1	188	148	40
Monroe	421	401	20	457	512	—55	22	21	1	612	585	27
Montcalm	433	411	22	297	344	—47	45	40	5	412	446	—34
Montmorency	55	29	26	28	33	—5	2	3	—1	73	65	8
Muskegon	516	448	68	346	345	1	41	50	—9	633	665	—32
Newaygo	251	234	17	149	154	—5	16	16	.....	212	226	—14
Oakland	644	658	—14	358	375	—17	52	61	—9	542	598	—56
Oceana	238	224	14	154	152	2	19	30	—11	295	250	45
Ogemaw	97	87	10	78	73	5	10	4	6	120	154	—34
Ontonagon	98	90	8	55	69	—14	1	6	—5	238	234	4
Osceola	224	224	0	167	167	.....	21	14	7	332	407	—75
Oscoda	11	10	1	11	14	—3	1	1	.....	36	29	7
Otsego	83	98	—15	52	73	—21	4	5	—1	115	113	2
Ottawa	498	479	19	418	438	—20	15	18	—3	793	807	—14
Presque Isle	96	113	—17	105	94	11	7	8	—1	278	226	52
Roscommon	22	25	—3	14	17	—3	5	3	2	14	40	—26
Saginaw	1,075	971	104	803	821	—18	108	112	—4	1,949	2,016	—67
St. Clair	702	699	3	504	551	—47	53	56	—3	886	950	—64
St. Joseph	338	321	17	202	248	—46	26	16	10	289	328	—39
Sanilac	397	418	—21	266	310	—44	15	27	—12	732	660	72
Schoolcraft	89	98	—9	86	80	6	5	7	—2	207	176	31
Shiawassee	435	451	—16	374	378	—4	66	75	—9	408	413	—5
Tuscola	429	425	4	296	357	—61	42	41	1	613	563	50
Van Buren	528	470	58	336	355	—19	55	57	—2	437	413	24
Washtenaw	690	671	19	359	345	14	39	55	—16	515	497	18
Wayne	5,954	6,088	—134	3,759	3,673	86	443	478	—35	8,833	8,286	547
Wexford	255	207	48	200	197	3	35	34	1	379	325	54

*Decrease indicated by minus sign (—).

PART II.—DEATHS AND CAUSES OF DEATHS IN MICHIGAN DURING THE YEAR 1904.

The total number of deaths returned to the Department of State during the year 1904, under the law requiring certificates of deaths and burial permits, was 34,494, exclusive of stillbirths, of which 1,911 were also returned on certificates of deaths.

In Table 1, Part I, is presented a statement of the deaths occurring each month of the year, together with the daily averages.

The largest number of deaths occurring in any month was during February, with 3,423, and a daily average of 122.3. November furnished the least number of deaths with a daily average of 81.0, 2,430 deaths being registered for that month.

Table 2, Part I, shows the deaths and death rates for previous years in comparison with 1904. Under the International Classification, which has now come into general use, stillbirths are excluded from deaths, being relegated to a separate class.

Among other classes of vital statistics presented in Table 6, the distribution of deaths through the various counties of the State is also shown, the death rates there shown being based on the actual population by the State Census of 1904. In comparing the death rates of the several counties, as shown in this Table, due attention should be given to the age and sex distribution, which greatly affects mortality rates.

As in previous Reports, this portion is divided into two sections, viz., Section I, The Incidence of Deaths, by months, sex, age, geographical location, etc., and Section II, The Causes of Death. It should not be understood that the second division fails to study the factors mentioned in the preceding group, but its distinctive feature is that it classifies them with reference to particular diseases instead of simply showing their relation to total mortality.

SECTION I.—INCIDENCE OF DEATHS IN MICHIGAN DURING THE YEAR 1904.

The tables in this section contain statements in regard to the incidence of deaths in the State during the year 1904, arranged to show the following particulars: (1) Deaths from all causes by months; (2) number and proportion of each sex among the decedents; (3) deaths by ages of decedents; (4) geographical distribution of deaths; and (5) location as urban and rural. Herewith is presented a brief statement of the more prominent facts contained in this section:

Total number of deaths returned, 1904	34,494
Death rate per 1,000 population, 1904	13.6

In addition to the above number of deaths, there were also 1,911 stillbirths included among the returns of deaths but no longer compiled with them.

Stillbirths registered, 1904	1,911
Stillbirth rate per 1,000 population	0.8

As to monthly incidence of deaths we have:

More than average mortality, 1904	January, February, March, April, May.
Less than average mortality, 1904	June, July, August, September, October, November, December.
Maximum mortality, 1904	February, 3,423 deaths or 17.6 per 1,000 population.
Minimum mortality, 1904	November, 2,430 deaths or 11.7 per 1,000 population.

By sex there were:

Males dying in Michigan, 1904	18,741 or 14.4 per 1,000 population
Females dying in Michigan, 1904	15,753 or 12.8 per 1,000 population
Ratio of death rate of males to death rate of females	113 per cent

By age periods, there were, exclusive of stillbirths, deaths as follows:

Under 1 year of age	6,419, or 18.6 per cent
Under 5 years of age	8,446, or 24.5 per cent
Aged 5 to 14 years	1,420, or 4.1 per cent
Aged 15 to 64 years	13,834, or 40.1 per cent
Aged 65 years and over	10,737, or 31.1 per cent

By geographical sections, we have the following:

Deaths in the Upper Peninsula	3,424, or 12.4 per 1,000 population
Northern counties	3,974, or 12.4 per 1,000 population
Central counties	5,544, or 12.3 per 1,000 population
Southern counties	21,552, or 14.5 per 1,000 population

Distinguished as urban and rural, there were the following:

Deaths in cities, 15,096, or 43.8 per cent; death rate, 14.6 per 1,000 population.
Deaths in country, 19,398, or 56.2 per cent; death rate, 13.0 per 1,000 population.

DEATHS BY MONTHS AND QUARTERS.

The distribution of deaths by months and quarters for the year is shown in Table 8, the mortality being distributed through the months about as evenly as it was in the preceding year. The maximum monthly rate, 17.6, was in the month of February, while in the preceding year it was 14.5 for March. February had the largest number of deaths for any month during the year, 3,423, with a daily average of 118.0. The month of least mortality was November, with only 2,430 deaths recorded, equivalent to a rate of 11.7 per 1,000 population. The average number of deaths per month was 2,875.

For convenience of comparison in studying the comparative mortality by months, it is useful to use the scale on which the average number of deaths per month is taken as 100. Employing this method, the months stand in the following order: The maximum being February, 125; April, 121; March, 117; January, 109; May, 105; and June and November the minimum, 86. An interesting feature is shown in this table, viz., the comparison of the death rates of the months, as based on the final compilation of the returns after all delinquent districts have reported with the original rates as printed in the *Monthly Bulletin*.

Table 8.—Deaths in Michigan by Months and quarters, 1904. (Stillbirths excluded.)

Year and months.	Number of deaths. By months.	Number of deaths. By quarters.	Average number per day.	Rank.	Death rate per 1,000 population.	Death rates as originally printed in *Bulletin*.*	Increase for delayed returns.
Year 1904	34,494	34,494	.....	1,200	13.6	13.5	0.1
January	3,188	10,028	102.8	109	14.9	14.7	0.2
February	3,423		118.0	125	17.6	17.1	0.5
March	3,417		110.2	117	16.0	16.0	0.0
April	3,265	8,690	113.9	121	15.7	15.7	0.0
May	2,987		99.5	105	10.4	10.4	0.0
June	2,438		81.3	86	11.7	11.7	0.0
July	2,555	7,869	82.4	87	11.9	11.7	0.2
August	2,650		85.5	90	12.3	12.1	0.2
September	2,664		88.8	94	12.8	12.7	0.1
October	2,604	7,907	85.9	91	12.1	12.0	0.1
November	2,430		81.0	86	11.7	11.6	0.1
December	2,873		92.7	98	13.4	13.0	0.4
Average	2,875	8,624	94.5	100	.....	.....	.....

By referring to Table 9, it will be seen that the total number of deaths for the year recorded in the *Monthly Bulletin*, 34,015 was 479 less than the total number of deaths, 34,494, returned ultimately, and compiled in this registration Report. Nevertheless, in the final report as compared with the original returns, there is but slight variation in the death rate for the year, although the monthly differences are somewhat more numerous than usual. They affect the decimal part of the rates only, and hence are well within the limit of accuracy of the statistics generally.

Table 9.—Delayed returns of deaths by months, 1904. (Stillbirths excluded.)

Deaths returned and published in—	Total deaths, 1904.	Months of death, 1904. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Annual registration report	34,494	3,188	3,423	3,417	3,265	2,987	2,438	2,555	2,650	2,664	2,604	2,430	2,873
Monthly Bulletins	34,015	3,126	3,389	3,406	3,212	2,937	2,445	2,510	2,593	2,635	2,565	2,415	2,782
Delayed returns	479	62	34	11	53	50	†—7	45	57	29	39	15	91
Per cent*	1.4	1.9	1.0	0.3	1.6	1.7	.....	1.8	2 1	1.1	1.5	0.6	3.2

*Per cent of deficiency of *Bulletin* returns as compared with final figures of report (=100%.)

†This apparent discrepancy arises from the fact that a number of stillbirths were not compiled as such in the Monthly Bulletin.

MORTALITY OF THE SEXES IN MICHIGAN, 1904.

e distribution of deaths by sex during the year 1904 is shown in Table ogether with a comparison with the population of each sex, and also of esults of the preceding years, 1890–1904, with the ten-year average, -1904.

cluding stillbirths, there were 18,741 male decedents and 15,753 le decedents during the year. The respective death rates were 14.4 12.8 per 1,000 population. These death rates are strictly comparable with the years since 1898, as the previous years, 1890–97, were collected r the very imperfect law that was then in effect. However, the relative ber of males per 100 deaths of females for the year, 119.0, is fully comble with the corresponding ratios for the preceding years, and the relative mortality shown in the last column of the Table, 113 per cent, which e ratio of the death rates of males to the death rates of the females ı as 100 per cent, is also correctly shown.

usual the male mortality somewhat exceeds the female mortality, umber being 2,998.

10.—Deaths and death rates in Michigan by sex, 1890-1904, with 10 year average. (Stillbirths excluded).

Year.	Population.		Number of deaths.*		Rates per 1,000 estimated population.		Deaths of males to 100 deaths of females.	Relative male mortality.†
	Males.	Females.	Males.	Females.	Males.	Females.		
.....	1,091,780	1,002,109	11,801	9,771	10.8	9.8	120.7	110
.....	1,108,970	1,021,857	11,908	9,998	10.7	9.8	119.1	109
.....	1,126,160	1,041,605	11,837	9,809	10.5	9.4	120.7	112
.....	1,143,350	1,061,353	11,772	10,142	10.3	9.6	116.1	107
.....	1,160,540	1,081,101	11,159	9,744	9.6	9.0	114.5	107
.....	1,177,730	1,100,849	12,161	10,510	10.3	9.5	115.7	108
.....	1,194,920	1,120,597	11,807	10,119	9.9	9.0	116.7	110
.....	1,212,110	1,140,345	10,294	8,829	8.5	7.7	116.6	110
.....	1,229,300	1,160,093	15,624	13,809	12.7	11.9	113.1	107
.....	1,246,490	1,179,841	18,025	15,605	14.5	13.2	115.5	110
.....	1,248,905	1,172,077	17,948	15,772	14.4	13.5	113.8	107
.....	1,263,632	1,187,240	17,540	15,273	13.9	12.9	114.8	108
.....	1,273,780	1,201,719	17,040	14,432	13.4	12.0	118.0	112
.....	1,286,217	1,216,541	17,780	15,396	13.8	12.0	115.5	115
.....	1,298,654	1,231,362	18,741	15,753	14.4	12.8	119.0	113
ge, 1895–1904...	1,243,174	1,171,066	15,696	13,550	12.6	11.6	115.8	109

not include deaths of unknown sex.
of *death rates* (not deaths) of males to death rates of females. This comparison eliminates the unequal distribution xes in the population.
s years.

DEATHS BY SEXES AND AGE PERIODS, 1904.

The data showing the general distribution of deaths returned for the year 1904, distinguishing the sexes and age periods of the decedents is shown in Table 11. Stillbirths are not included in this table as formerly. The relations of the number of deaths at each year under five and at quinquennial age periods up to the age of eighty years are given. It will be noted that 18.6 per cent of the total number of deaths in the State were under one year of age, and 24.5 per cent in the age period under five years. In other words, about one-fourth of the total number of deaths recorded for the year were those of children under five years of age, the percentage of males being somewhat higher than that for females.

Comparison of the percentage of deaths of males and females to the total number of deaths, shows that for most periods of age the percentage of males is the larger. Exceptions are for the ages 14 to 39, corresponding to the child-bearing age of females, during which the number of deaths recorded is greater than those of males.

In order to obtain a more satisfactory statement of the mortality of the sexes by ages, Table 12 has been prepared, showing the populations for each sex and age.

The total death rate for both sexes, 13.6 per 1,000 population is based on the total population for the State for the year. In like manner the rates for the individual ages are based on partial populations for these ages in the same manner as the total population.

Considered with reference to the sex distribution of the population the death rates of males for the year, 14.4 per thousand, as compared with the death rate of females for the year, 12.8 per thousand represents a relative male mortality of 113 per cent.

Table 11.—Deaths in Michigan by sex and age periods, 1904. (Stillbirths excluded).

Ages.	Number of deaths, 1904.			Per cent of deaths at each age to total at all ages.			Per cent of deaths of each sex to total of both sexes.*				Excess of the sexes by number.		Males to 100 females.
									Excess.				
	Total.	Males.	Females.	Total.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
ALL AGES	34,494	18,741	15,753	100.0	100.0	100.0	54.3	45.7	8.6	.....	2,998	.....	.....
Under 1 year	6,419	3,684	2,735	18.6	19.7	17.4	57.4	42.6	14.8	.....	949	.....	134
1 year	972	499	473	3.0	2.7	3.0	51.3	48.7	2.6	.....	26	.....	105
2 years	501	279	222	1.5	1.5	1.4	55.7	44.3	11.4	.....	57	.....	125
3 years	272	138	134	0.8	0.7	0.9	50.7	49.3	1.4	.....	4	.....	102
4 years	282	144	138	0.8	0.8	0.9	51.1	48.9	2.2	.....	6	.....	104
Under 5 years	8,446	4,744	3,702	24.5	25.3	23.5	56.1	43.8	12.3	.....	1,042	.....	128
5 to 9 years	750	378	372	2.2	2.0	2.4	50.4	49.6	0.8	.....	6	.....	104
10 to 14 years	670	330	340	2.0	1.8	2.2	49.3	50.7	.....	1.4	.....	10	97
15 to 19 years	1,090	531	559	3.2	2.8	3.5	48.7	51.3	.....	2.6	.....	28	95
20 to 24 years	1,397	713	684	4.0	3.8	4.3	51.0	49.0	2.0	.....	29	.....	104
25 to 29 years	1,295	622	673	3.8	3.3	4.3	48.0	52.0	.....	4.0	.....	51	92
30 to 34 years	1,145	553	592	3.3	3.0	3.8	48.3	51.7	.....	3.4	.....	39	93
35 to 39 years	1,193	589	604	3.5	3.1	3.8	49.4	50.6	.....	1.2	.....	15	97
40 to 44 years	1,132	597	535	3.3	3.2	3.4	52.7	47.3	5.4	.....	62	.....	111
45 to 49 years	1,387	759	628	4.0	4.0	4.0	54.7	45.3	9.4	.....	131	.....	120
50 to 54 years	1,468	812	656	4.3	4.3	4.2	55.3	44.7	10.6	.....	156	.....	124
55 to 59 years	1,656	965	691	5.0	5.1	4.4	58.3	41.7	16.6	.....	274	.....	139
60 to 64 years	2,071	1,205	866	6.0	6.4	5.5	58.2	41.8	16.4	.....	339	.....	139
65 to 69 years	2,300	1,289	1,011	6.7	6.9	6.4	56.4	44.0	12.4	.....	278	.....	127
70 to 74 years	2,584	1,444	1,140	7.5	8.0	7.2	55.9	44.1	11.8	.....	304	.....	124
75 to 79 years	2,439	1,325	1,114	7.1	7.1	7.0	54.3	45.7	8.6	.....	211	.....	119
80 years and over	3,414	1,841	1,573	9.9	10.0	10.0	53.9	46.1	7.8	.....	268	.....	117
Unknown ages	57	44	13	0.1	0.2	0.8	77.2	22.8	54.4	.....	31	.....	338

*Unknown sex excluded.

Table 12.—Deaths and death rates in Michigan by age periods and sex, 1904. (Stillbirths excluded).

Ages.	Population, 1904.			Deaths, 1904.			Death rates per 1,000 population of same age and sex, 1904.			Relative male mortality.*
	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
All ages	2,530,016	1,298,654	1,231,362	34,494	18,741	15,753	13.6	14.4	12.8	113
Under 1 year	57,531	29,210	28,321	6,419	3,684	2,735	111.6	126.7	96.6	131
1 year	49,035	24,817	24,218	972	499	473	19.8	20.1	19.5	103
2 years	54,081	27,506	26,575	501	279	222	9.3	10.1	8.4	120
3 years	52,888	26,705	26,183	272	138	134	5.1	5.2	5.1	102
4 years	52,116	26,439	25,677	282	144	138	5.4	5.4	5.4	100
Under 5 years	265,651	134,677	130,974	8,446	4,744	3,702	31.8	35.2	28.3	124
5 to 9 years	267,194	135,597	131,597	750	378	372	2.8	2.7	2.8	96
10 to 14 years	263,894	134,646	129,248	670	330	340	2.5	2.5	2.6	96
15 to 19 years	245,596	122,814	122,782	1,090	531	559	4.4	4.3	4.6	93
20 to 24 years	230,949	114,424	116,525	1,397	713	684	6.0	6.2	5.9	105
25 to 29 years	207,160	103,943	103,217	1,295	622	673	6.3	6.0	6.5	91
30 to 34 years	182,746	93,292	89,454	1,145	553	592	6.3	5.9	6.6	89
35 to 39 years	170,305	88,802	81,503	1,193	589	604	7.0	6.6	7.4	89
40 to 44 years	151,877	80,060	71,817	1,132	597	535	7.5	7.5	7.4	101
45 to 49 years	133,917	71,799	62,118	1,387	759	628	10.4	10.6	10.1	105
50 to 54 years	111,706	60,158	51,548	1,468	812	656	13.1	13.5	12.7	106
55 to 59 years	89,213	47,484	41,729	1,656	965	691	18.6	20.3	16.7	122
60 to 64 years	75,063	39,483	35,580	2,071	1,205	866	27.6	30.5	24.3	126
65 to 69 years	53,987	28,211	25,776	2,300	1,289	1,011	42.6	45.7	39.2	117
70 to 74 years	38,756	20,682	18,074	2,584	1,444	1,140	66.7	69.8	63.1	111
75 to 79 years	22,165	11,806	10,359	2,439	1,325	1,114	110.0	112.2	107.5	104
80 years and over	16,522	8,677	7,845	3,414	1,841	1,573	206.6	212.2	200.1	106
Unknown ages	3,315	2,099	1,216	57	44	13	17.2	21.0	10.7	196

*Rates of *death rates* of males to death rates of females.

Table 13.—Death rates and ratios of deaths at certain periods of age, 1870-1904. (Still-births excluded from both births and deaths).

Years and periods.	Death rates per 1,000 population of corresponding age.						Percentages of deaths at each age to total deaths at all ages.					Deaths of infants under 1 year of age per 1,000 living births.
	All ages.	Under 1 year.	Under 5 years.	5 to 14.	15 to 64.	65 and over.	Under 1 year.	Under 5 years.	5 to 14.	15 to 64.	65 and over.	
1870	8.9	74.4	26.5	3.5	5.4	37.0	23.5	42.1	9.6	36.6	11.6	91.3
1871	7.7	58.3	21.2	2.9	4.8	36.9	21.2	38.7	9.3	38.1	14.0	75.6
1872	10.3	88.7	30.9	4.0	6.3	38.1	23.9	41.6	9.3	37.2	11.9	* 110.9
1873	10.6	92.4	31.7	4.4	6.5	41.2	23.9	40.9	9.9	37.2	12.0	96.0
1874	8.8	79.5	25.7	3.0	5.6	38.0	24.6	39.6	8.1	38.7	13.7	94.8
1875	8.1	71.2	23.3	2.6	5.1	34.6	24.2	39.1	7.8	39.1	14.0	85.5
1876	8.2	72.0	23.5	3.0	5.0	37.9	23.7	38.3	8.5	37.8	15.4	82.8
1877	8.1	66.9	23.0	3.2	5.0	37.1	22.1	37.5	9.2	37.8	15.4	81.1
1878	7.7	59.7	21.2	3.4	4.6	36.0	20.6	35.8	10.0	38.0	16.0	70.5
1879	8.6	67.5	24.3	4.3	5.0	38.5	20.8	36.7	11.7	36.0	15.7	84.1
1880	9.4	75.7	27.4	4.6	5.4	39.9	21.5	37.9	11.3	35.7	15.2	93.5
1881	11.0	91.7	33.8	6.1	6.1	41.3	21.7	39.0	12.6	34.7	13.7	116.4
1882	9.0	73.3	26.1	4.7	5.3	36.8	20.9	36.3	11.9	36.3	15.4	88.7
1883	9.0	74.5	25.8	3.8	5.5	37.7	21.1	35.5	9.7	38.5	16.3	83.0
1884	9.4	88.5	28.7	3.8	5.5	39.2	23.7	37.4	9.2	36.9	16.5	101.2
1885	8.4	72.9	23.6	3.2	5.2	37.6	21.6	34.1	8.6	39.1	18.2	81.2
1886	9.0	83.2	27.2	3.3	5.4	38.7	22.8	36.4	8.3	37.5	17.9	96.1
1887	9.5	86.1	28.4	3.4	5.7	41.4	22.1	35.5	8.1	37.9	18.5	(97.2) 89.3
1888	10.2	97.0	30.8	3.3	6.2	44.9	23.0	35.4	7.2	38.3	19.1	(103.4) 97.2
1889	9.3	84.5	27.6	3.2	5.8	40.4	21.7	34.3	7.6	39.1	19.1	(91.1) 84.9
1890	9.7	84.0	27.2	3.8	6.1	41.9	20.6	32.4	8.6	39.7	19.4	(89.7) 80.8
1891	9.9	86.3	26.9	3.3	6.1	46.0	21.3	32.0	7.5	39.3	21.2	(93.7) 87.8
1892	9.6	78.3	25.1	3.2	5.9	47.0	20.2	31.0	7.4	39.3	22.4	90.5
1893	9.5	80.8	25.0	3.1	5.9	46.8	21.1	31.1	7.2	39.1	22.4	93.2
1894	8.9	75.3	22.8	2.6	5.7	43.5	21.2	30.6	6.4	40.8	22.3	95.9
1895	9.5	78.0	23.2	2.5	6.2	50.9	20.6	29.1	5.7	41.0	24.2	97.9
1896	9.0	69.6	21.8	2.6	5.7	46.2	20.0	29.5	6.3	40.4	23.7	91.0
1897	8.1	61.9	18.9	2.4	5.2	45.1	19.6	28.1	6.3	40.3	25.3	86.6
1898	11.8	88.6	26.0	2.6	7.5	74.0	19.6	26.8	4.6	39.8	28.8	.....
1899	13.3	99.6	29.8	3.0	8.3	84.0	19.6	27.5	4.7	38.8	29.1	.....
1900	13.4	126.8	36.2	3.1	8.2	71.9	20.3	28.0	4.9	38.3	27.6	.....
1901	13.4	117.2	33.0	2.8	8.4	76.4	19.2	26.1	4.4	39.6	29.5	.....
1902	12.7	106.5	31.0	2.8	8.0	72.1	18.9	25.9	4.7	39.8	29.6	.....
1903	13.3	114.5	32.9	2.9	8.2	76.6	19.6	26.3	4.7	39.1	29.7	.....
1904	13.6	111.6	31.8	2.7	8.7	81.7	18.6	24.5	4.1	40.1	31.1	.....
1870-74	9.3	78.7	27.2	3.6	5.7	38.2	23.4	40.6	9.2	37.6	12.6	93.7
1875-79	8.1	67.5	23.1	3.3	4.9	36.8	22.3	37.5	9.4	37.7	15.3	80.8
1880-84	9.6	80.7	28.4	4.6	5.6	39.0	21.8	37.2	10.9	36.4	15.4	96.6
1885-89	9.3	84.7	27.5	3.3	5.7	40.6	22.2	35.1	8.0	38.4	18.6	(93.8) 89.7
1890-94	9.5	80.9	25.4	3.2	5.9	45.0	20.9	31.4	7.4	39.6	21.5	(92.6) 89.6
1895-99	10.3	79.5	23.9	2.6	6.6	60.0	19.9	28.2	5.5	40.1	26.2	.....
1900-1904	13.3	115.3	33.0	2.9	8.3	75.7	19.3	26.2	4.6	39.4	29.5	.....
1870-1904	9.9	83.9	26.9	3.3	6.1	47.9	21.4	33.7	7.9	38.5	19.9	.....

NOTE.—The numbers in parentheses in the last column represent the figures for infant mortality after correction, as far as possible, for fraudulent returns of births and deaths from Wayne county (Detroit), during the years 1887-91. See report for 1892, p. 14. No comparison can be made of the deaths as accurately registered under the new law for the years 1898-1904 with the very imperfect returns of births obtained under the very imperfect law of 1867, which has never been amended.

DEATH RATES AND PROPORTIONAL DEATHS BY AGE PERIODS, 1870-1904.

Table 13 compares the incidence of mortality from all causes at certain periods of age and also states the proportional deaths of those periods. The increased accuracy of registration beginning with the year 1898 will account for the higher rates shown for the past few years. While the proportional deaths should not be necessarily affected by increased accuracy of registration, assuming that one age was just as liable as another to be omitted under the old law, it is possible that study may show some differential selection of certain ages and hence conclusions in involving comparisons of the two sets of returns should be cautiously drawn.

DEATHS IN CITIES OF MICHIGAN, 1904.

Table 14 shows the number of deaths reported for 1904 from each city of the State, together with the population as given by the State Census of 1904. The total urban population of the State, including in this designation such small towns as Harrison, 547; Mackinac Island, 736; North Muskegon, 428; and Omer, 460, places which have few of the requisites of a city except the possession of a city charter, is 1,036,249, and the total number of deaths returned from these cities for the year was 15,096, exclusive of stillbirths. The death rate was 14.6 per 1,000 population.

The group of cities over 50,000 population consists of only two; Detroit with a death rate of 15.0 and Grand Rapids with a death rate of 14.8 for the year.

Cities from 25,000 to 50,000 population, which now includes Kalamazoo, shows 1,902 deaths with a rate of 14.7 per 1,000 population.

The group of cities from 10,000 to 25,000 population has a rate of 14.1 per thousand, Escanaba having the highest, 22.3 per thousand, and Manistee the lowest, 10.2 per thousand.

The cities from 5,000 to 10,000 population show the lowest recorded mortality in the State, being 13.8 per 1,000 population. The maximum death rate in this group, 17.9 per thousand, is that of the city of Hancock, and the minimum mortality, 10.4 per thousand for the city of Cheboygan.

Cities under 5,000 population, which are hardly included in the class of cities as usually studied in registration reports, show a mortality of 14.8 per 1,000 population.

Table 14.—Cities of Michigan, grouped in order of population by State census of 1904, with deaths and death rates per 1,000 population. (Stillbirths excluded).

Cities.	Population by State census of 1904.	Deaths returned 1904.	Death rates per 1,000 population.
TOTAL CITIES	1,036,249	15,096	14.6
CITIES OVER 50,000	413,309	6,177	14.9
Detroit	317,591	4,759	15.0
Grand Rapids	95,718	1,418	14.8
CITIES FROM 25,000 TO 50,000	129,336	1,902	14.7
Bay City	27,644	384	13.9
Jackson	25,300	371	14.7
Kalamazoo	29,782	499	16.8
Saginaw	46,610	648	13.9
CITIES FROM 10,000 TO 25,000	249,746	3,523	14.1
Adrian	10,680	155	14.5
Alpena	12,400	160	12.9
Ann Arbor	14,591	223	15.3
Battle Creek	22,213	327	14.7
Escanaba	11,098	247	22.3
Flint	14,884	193	13.0
Ironwood	10,019	113	11.3
Ishpeming	11,623	146	12.6
Lansing	20,276	252	12.4
Manistee	12,708	129	10.2
Marquette	10,665	175	16.4
Menominee	11,096	148	13.3
Muskegon	20,897	292	14.0
Pontiac	10,884	180	16.5
Port Huron	20,028	248	12.4
Sault Ste. Marie	11,442	163	14.2
Traverse City	11,237	217	19.3
West Bay City	12,997	155	11.9
CITIES FROM 5,000 TO 10,000	120,556	1,666	13.8
Benton Harbor	6,702	92	13.7
Cadillac	6,893	104	15.1
Cheboygan	6,730	70	10.4
Coldwater	6,225	89	14.3
Grand Haven	5,239	64	12.2
Hancock	6,037	108	17.9
Holland	8,966	109	12.2
Ionia	5,222	77	14.7
Iron Mountain	8,585	107	12.5
Ludington	7,259	99	13.6
Monroe	6,128	73	11.9
Mt. Clemens	7,108	123	17.3
CITIES FROM 5,000 TO 10,000.—*Concluded.*			
Negaunee	6,797	84	12.4
Owosso	9,145	109	11.9
Petoskey	5,186	69	13.3
St. Joseph	5,322	85	16.0
Wyandotte	5,425	94	17.3
Ypsilanti	7,587	110	14.5
CITIES UNDER 5,000	123,302	1,823	14.8
Albion	4,943	71	14.4
Au Sable	917	7	7.6
Beaverton	681	6	8.8
Belding	3,654	32	8.8
Bessemer	3,111	49	15.8
Big Rapids	4,852	89	18.3
Charlotte	4,726	78	16.5
Clare	1,413	27	19.1
Corunna	1,601	42	26.2
Crystal Falls	2,981	32	10.7
Dowagiac	4,404	76	17.3
East Tawas	1,830	21	11.5
Eaton Rapids	2,197	32	14.6
Gladstone	3,528	59	16.7
Gladwin	1,091	8	7.3
Grand Ledge	2,439	38	15.6
Greenville	3,421	63	18.4
Harrison	547	8	14.6
Hastings	3,558	53	14.9
Hillsdale	4,800	69	14.3
Hudson	2,307	40	17.3
Lapeer	3,460	73	21.1
Mackinac Island	736	12	16.3
Manistique	4,596	53	11.5
Marine City	3,762	64	17.0
Marshall	4,361	56	12.8
Mason	1,955	29	14.8
Midland	2,520	48	19.0
Mt. Pleasant	4,484	44	9.8
Muskegon Heights	1,012	13	12.8
Niles	4,641	75	16.2
North Muskegon	428	6	14.0
Norway	4,864	60	12.3
Omer	460	7	15.2
Onaway	2,408	20	8.3
St. Clair	2,664	31	11.6
St. Ignace	2,083	42	20.2
St. Johns	3,768	57	15.1
St. Louis	2,503	47	18.8
South Haven	3,767	66	17.5
Standish	949	10	10.5
Stanton	1,120	14	12.5
Sturgis	2,593	38	14.7
Tawas City	1,245	11	8.8
Three Rivers	3,913	52	13.3

SECTION II.—CAUSES OF DEATH IN MICHIGAN DURING THE YEAR 1904.

The most important part of a registration report consists of the statistics relating especially to individual causes of death, because, without a knowledge of the prevalence of different diseases, intelligent efforts cannot be made for their restriction and prevention on the part of sanitary authorities; or, if such efforts are made, it cannot be definitely known with what measure of success or failure they have been attended. Accurate vital statistics are considered absolutely essential instruments of modern sanitary progress, and no class of information collected under this head is of such paramount importance as the knowledge of the mortality from individual diseases and groups of diseases.

The wording and arrangement of the form provided on the certificate of death for the statement of cause of death by the attending physician or coroner is one of the most important features of the blank. The information to be thus obtained is very valuable, and the table of causes of death contain perhaps the most useful and characteristic data of mortality statistics. Their value is largely dependent upon a full understanding by those who originally report the causes of death of just what should be properly understood by that term—what is essential and what is not essential to state concerning the causes of a death. Many of the imperfections of mortality statistics at the present time arise from the fact that complete statements of cause of death in a form best adapted to statistical compilation are not obtained.

To some extent this unsatisfactory condition is due to a lack of definite agreement as to just what is wanted from the physician. Physicians in active practice cannot be expected to take interest in the minutiae of nosological classifications, or to specify the relations of several causes of death so that the compiler's task will be clear and easy, unless the questions addressed to them are entirely definite and unambiguous.

A tabular exhibition of the deaths and death rates from each cause of death in Michigan for the year 1904, according to the Bertillon Classification of causes of death, may be found in Table 15, and a condensed list, showing the mortality by the geographical sections of the State for the months of the year and also for the various age periods is given in Table 16.

Examination of the deaths in Table 15 will show that many of the causes are quite insignificant as regards number, and that very little sacrifice of statistical completeness would be made by their entire omission or rather inclusion under some more general title. While the number of titles should be abbreviated, the general outline of the classification in its extended form should be scrupulously preserved, so that comparisons may be accurately made. This cannot be done when certain diseases are left out of their proper positions by being relegated to the unclassified list at the end of the table, as the proportion of the preceding groups is thereby destroyed. Hence Table 16 was prepared for the purpose of showing the general relations of the causes of death in the State during the year in a correct manner, but y abridged from the longer classification.

le 15.—Deaths in Michigan during the year 1904, according to the detailed international classification of causes of death, with rates per 100,000 population.

assification number.	Causes of death.	Number of deaths, 1904.	Death rates per 100,000 population.
	ALL CAUSES	34,494	1,363.4
	GENERAL DISEASES.		
	I. EPIDEMIC DISEASES	2,796	110.5
1	Typhoid fever	634	25.1
	Typho-malarial fever	7	0.3
2	Typhus fever	.....	.....
3	Relapsing fever	1	0.0
4	Malarial fever	58	2.3
5	Smallpox	26	1.0
6	Measles	194	7.7
7	Scarlet fever	210	8.3
8	Whooping cough	148	5.8
	Diphtheria	425	16.8
9	Croup	33	1.3
	Membranous croup	57	2.3
10	Influenza	705	27.9
11	Miliary fever	.....	.....
12	Asiatic cholera	.....	.....
13	Cholera nostras	34	1.3
14	Dysentery	138	5.5
15	Bubonic plague	.....	.....
16	Yellow fever	.....	.....
17	Leprosy	.....	.....
18	Erysipelas	105	4.2
	Chicken pox	4	0.2
19	German measles	12	0.5
	Mumps	5	0.2
	II. OTHER GENERAL DISEASES	5,800	229.2
20	Septicemia	187	7.4
21	Glanders	.....	.....
22	Malignant pustule	2	0.1
23	Rabies	.....	.....
24	Actinomycosis	1	0.0
25	Pellagra	.....	.....
	Tuberculosis	*2,747*	*108.6*
26	Larynx	31	1.2
27	Lungs	2,306	91.1
28	Meninges	124	4.9
29	Abdominal	137	5.4
30	Pott's disease	24	0.9
31	Tuberculous abcess	10	0.4
32	White swelling	15	0.6
33	Other organs	60	2.4
34	General	40	1.6
35	Scrofula	14	0.6
36-38	Venereal diseases	101	4.0
	Cancer	*1,728*	*68.3*
39	Mouth	80	3.2
40	Stomach and liver	721	28.5
41	Intestines	174	6.9
42	Genital organs	225	8.9
43	Breast	141	5.6
44	Skin	85	3.4
45	Other organs	302	11.9
46	Tumors	65	2.6
47,48	Rheumatism	196	7.7
49	Scurvy	1	0.0
50	Diabetes	298	11.8
51	Exophthalmic goiter	21	0.8
52	Addison's disease	21	0.8
53, 54	Anemia, leukemia	279	11.0
55	Other general diseases	17	0.7
56	Alcoholism	97	3.8
57-59	Chronic poisonings	25	1.0

Table 15.—Continued.—Deaths in Michigan during the year 1904, according to the detailed international classification of causes of death, with rates per 100,000 population.

Classification number.	Causes of death.	Number of deaths, 1904.	Death rates per 100,000 population.
	LOCAL DISEASES.		
	III. Diseases of Nervous System	4,256	168.2
60	Encephalitis	75	3.0
61	Meningitis	401	15.8
62	Locomotor ataxia	52	2.1
63	Other diseases of spinal cord	117	4.6
64	Apoplexy	1,473	58.2
65	Softening of brain	95	3.8
66	Paralysis	863	34.1
67	General paralysis of insane	175	6.9
68	Other forms of mental disease	103	4.1
(74)	Other diseases of the brain	80	3.2
69	Epilepsy	150	5.9
70, 71	Convulsions	505	20.0
72	Tetanus	33	1.3
73-76	Other diseases of nervous system	134	5.3
	IV. Diseases of Circulatory System	4,312	170.4
77	Pericarditis	64	2.5
78	Endocarditis	156	6.2
79	Heart disease	3,556	140.6
80	Angina pectoris	205	8.1
81	Diseases of arteries	174	6.9
82	Embolism and thrombosis	86	3.4
83	Diseases of veins	12	0.5
84	Diseases of lymphatics	5	0.2
85, 86	Other diseases of circulatory system	54	2.1
	V. Diseases of Respiratory System	3,997	158.0
88	Laryngitis	14	0.6
	Other diseases of larynx	27	1.1
89	Diseases of thyroid body	6	0.2
90	Acute bronchitis	447	17.7
91	Chronic bronchitis	381	15.1
92	Bronchopneumonia	545	21.5
93	Pneumonia	2,101	83.0
94	Pleurisy	57	2.3
95	Congestion of lungs	168	6.6
96	Gangrene of lungs	6	0.2
97, 98	Asthma and emphysema	111	4.4
87, 99	Hemorrhage of lungs	46	1.8
	Other diseases of respiratory system	88	3.5
	VI. Diseases of Digestive System	4,266	168.6
100	Diseases of mouth	24	0.9
101, 102	Tonsilitis	33	1.3
	Other diseases of pharynx	32	1.3
103	Ulcer of stomach	79	3.1
104	Gastritis	258	10.2
	Other diseases of stomach	277	10.9
	Dentition	14	0.6
105	Diarrhea and enteritis (under 2 years)	1,504	59.4
106	Diarrhea and enteritis (over 2 years)	502	19.8
108	Hernia	56	2.2
	Obstruction of intestines	204	8.1
107, 109	Other diseases of intestines	78	3.1
110	Acute yellow atrophy of liver	14	0.6
111	Hydatid tumor of liver	1	0.0
112	Cirrhosis of liver	243	9.6
113	Biliary calculi	59	2.3
114	Other diseases of liver	193	7.6
115	Diseases of spleen	18	0.7
116	Peritonitis	338	13.4
118	Appendicitis	336	13.3
117	Other diseases of digestive system	3	0.1
	VII. Diseases of Genito-urinary System	2,000	79.4
119	Acute nephritis	163	6.4
120	Bright's disease	1,335	52.8
121	Other diseases of kidneys	79	3.1
122	Calculi of urinary tract	5	0.2
123	Diseases of bladder	137	5.4
129	Uterine tumor	46	1.8
127, 128, 130	Other diseases of uterus	32	1.3
131	Ovarian tumor	47	1.9

Table 15.—Continued.—Deaths in Michigan during the year 1904, according to the detailed international classification of causes of death, with rates per 100,000 population.

Classification number.	Causes of death.	Number of deaths, 1904.	Death rates per 100,000 population
	DISEASES OF GENITO-URINARY SYSTEM.—*Continued.*		
124, 126	Diseases of tubes	1	0.0
132, 133	Other diseases of genito-urinary system	164	6.5
	VIII. CHILDBIRTH	436	17.2
137	Puerpral septicemia	223	8.8
138	Puerperal convulsions	88	3.5
134.136, 139.141	Other causes incident to childbirth	125	4.9
	IX. DISEASES OF SKIN	195	7.7
142	Gangrene	127	5.0
143	Carbuncle	8	0.3
144	Abscess	37	1.5
145	Other diseases of skin	23	0.9
	X. DISEASES OF LOCOMOTOR SYSTEM	57	2.3
146	Diseases of bones	49	1.9
147	Diseases of joints	6	0.2
148, 149	Other diseases of locomotor system	2	0.1
	XI. MALFORMATIONS	386	15.3
150	Hydrocephalus	28	1.1
	Congenital malformations of heart (cyanosis)	187	7.4
	Other congenital malformations	172	6.8
	XII. EARLY INFANCY	1,416	56.0
151, 153	Premature birth	632	25.0
	Congenital debility	784	31.0
	XIII. OLD AGE	1,216	48.1
154	Old age	1,216	48.1
	XIV. VIOLENCE	2,449	96.8
	Suicide	316	12.5
155	Poison	122	4.8
156	Asphyxia	5	0.2
157	Hanging	69	2.7
158	Drowning	15	0.6
159	Firearms	69	2.7
160	Cutting instruments	20	0.8
161	Jumping from high places	3	0.1
162	Crushing		
163	Other or unspecified means	12	0.5
	Accidents	2,107	83.3
164, 165	Fractures and dislocations	279	11.0
167	Burns and scalds	172	6.8
169	Heat and sunstroke	11	0.4
170	Cold and freezing	40	1.6
(171)	Lightning	13	0.5
172	Drowning	279	11.0
174	Inhalation of poisonous gases	19	0.8
175	Other accidental poisoning	115	4.5
	Accidental gunshot wounds	103	4.1
	Injuries by machinery	55	2.2
	Injuries in mines and quarries	78	3.1
166	Railroad accidents and injuries	246	9.8
	Injuries by vehicles and horses	79	3.1
	Injuries by electric cars	37	1.5
	Suffocation	84	3.3
168, 168, (171), 176	Other accidental injuries	632	27.1
	Injuries at birth	72	2.8
	Homicide	27	1.1
176	Homicide	27	1.1
	XV. ILL-DEFINED DISEASES	661	26.4
177	Dropsy	142	5.6
	Heart failure	128	5.1
178, 179	Other ill-defined diseases	394	15.6
	Diseases not specified	237	9.4

Table 16.—Causes of death in Michigan, by months and ages.

Line number.	Causes of death, 1904.	Total deaths, 1904.	Rate per 100,000 population.	Months of death, 1904.											
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	34,494	1,363.4	3,188	3,423	3,417	3,265	2,987	2,438	2,555	2,650	2,664	2,604	2,430	2,873
2	Typhoid fever	641	25.3	57	47	56	81	59	30	27	45	68	66	55	50
3	Malarial fever	58	2.3	6	4	6	3	5	2	4	9	4	6	4	5
4	Smallpox	26	1.0	1	3	4	.....	3	4	4	1	3	2	.....	1
5	Measles	194	7.7	13	18	27	28	44	34	9	5	5	4	2	5
6	Scarlet fever	210	8.3	39	30	31	27	22	19	12	8	5	2	4	11
7	Whooping cough	148	5.8	20	30	17	15	10	7	10	6	5	8	11	9
8	Diphtheria and croup	515	20.4	84	55	36	48	42	45	23	22	33	29	46	52
9	Influenza	705	27.9	97	197	168	104	47	18	4	5	5	5	20	35
10	Dysentery	138	5.5	4	3	7	2	.....	9	9	31	36	28	3	6
11	Erysipelas	105	4.2	11	16	18	11	4	6	5	3	5	5	6	15
12	Other epidemic diseases	56	2.2	5	5	4	4	4	3	6	13	5	4	1	2
13	Tuberculosis of lungs	2,306	91.1	181	193	230	244	218	189	170	169	163	200	168	181
14	Other forms of tuberculosis	441	17.4	32	42	44	42	37	39	44	29	40	35	24	33
15	Cancer	1,728	68.3	138	134	150	153	121	136	158	142	168	148	128	152
16	Rheumatism	196	7.7	20	24	24	30	15	13	8	9	13	13	16	11
17	Diabetes	298	11.8	28	22	24	30	32	28	16	18	24	19	28	29
18	Other general diseases	831	32.8	67	71	68	99	84	68	81	57	53	64	55	64
19	Meningitis	401	15.8	37	26	37	34	42	44	33	31	32	27	24	34
20	Apoplexy	1,473	58.2	132	141	154	113	137	95	99	112	101	112	125	152
21	Paralysis	863	34.1	74	92	95	81	55	65	49	61	65	79	65	82
22	Convulsions	505	20.0	37	53	45	57	54	32	35	43	33	29	36	51
23	Other nervous diseases	1,014	40.1	79	90	105	96	90	76	94	78	76	79	64	87
24	Heart disease	3,556	140.6	306	313	346	344	339	270	275	255	240	273	266	329
25	Other circulatory diseases	756	29.9	70	71	58	70	63	71	52	55	57	50	77	62
26	Bronchitis	828	32.7	89	102	107	94	89	47	40	37	39	42	65	77
27	Bronchopneumonia	545	21.5	82	89	62	56	58	47	14	10	19	22	39	47
28	Pneumonia	2,101	83.0	321	384	320	244	202	93	56	33	56	79	111	202
29	Other respiratory diseases	523	20.7	58	71	46	47	55	30	32	25	35	39	37	48
30	Diseases of stomach	614	24.3	79	47	50	59	51	40	53	46	54	42	36	57
31	Diarrhea and enteritis, under 2 years	1,504	59.4	49	51	56	52	56	63	211	353	324	173	71	45
32	Diarrhea and enteritis, over 2 years	502	19.8	26	33	23	32	21	30	31	72	96	66	33	29
33	Hernia and obstruction of bowels	260	10.3	23	17	24	26	23	21	29	21	23	19	18	16
34	Cirrhosis of liver	243	9.6	18	17	30	23	21	12	22	20	19	23	12	26
35	Other liver diseases	267	10.6	24	22	24	31	31	16	19	16	24	17	18	25
36	Peritonitis	338	13.4	26	37	35	29	27	24	26	26	27	29	23	29
37	Appendicitis	336	13.3	36	38	33	26	23	36	25	36	19	22	20	22
38	Other digestive diseases	202	8.0	14	19	15	20	24	13	16	12	18	16	17	18
39	Bright's disease	1,335	52.8	128	121	122	136	98	86	117	104	106	91	115	111
40	Other genito-urinary diseases	674	26.6	59	72	65	60	68	44	48	48	47	48	52	63
41	Puerperal septicemia	223	8.8	28	24	15	15	24	23	20	15	17	14	14	14
42	Other puerperal diseases	213	8.4	19	19	20	28	18	17	16	14	17	19	12	14
43	Skin diseases	195	7.7	11	17	23	18	20	12	17	20	8	16	11	22
44	Diseases locomotor system	57	2.3	1	6	4	6	5	3	3	7	6	5	5	6
45	Malformations	388	15.3	27	32	24	51	39	26	35	20	33	24	26	51
46	Premature birth	632	25.0	57	61	66	54	56	53	51	53	44	45	40	52
47	Congenital debility	784	31.0	60	64	55	58	70	62	57	73	76	81	44	84
48	Old age	1,216	48.1	118	143	145	115	115	77	68	67	68	100	105	95
49	Suicides	315	12.5	33	21	22	29	25	33	22	31	24	21	33	21
50	Accidents	2,107	83.3	173	156	195	169	162	161	213	190	145	187	186	170
51	Homicides	27	1.1	1	1	.....	2	1	4	3	1	4	2	4	4
52	Causes ill-defined	901	35.6	90	79	82	69	68	62	84	93	77	75	55	67

the State and geographical sections, 1904.—STATE.

Ages of decedents, 1904.																						
ges in years under five.				Ages by five-year periods.																		Line number.
1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.	
972	501	272	282	8,446	750	670	1090	1397	1295	1145	1193	1132	1387	1468	1656	2071	2300	2584	2439	3414	57	1
7	6	5	7	33	28	57	99	128	67	45	50	28	32	18	14	12	11	10	6	2	1	2
1	....	2	1	9	4	1	7	1	1	5	2	3	4	3	3	....	2	7	4	2	....	3
....	....	....	....	6	2	1	2	2	1	5	2	....	1	1	....	3	....	....	....	....	....	4
42	17	6	8	138	14	8	10	3	2	4	6	1	3	1	....	1	....	2	1	....	....	5
19	30	24	27	119	44	24	10	8	4	1	....	....	....	....	....	....	....	....	....	....	....	6
22	16	4	3	139	7	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	7
53	59	40	57	257	157	53	26	9	3	1	....	2	1	3	1	....	....	....	1	....	1	8
8	2	1	4	72	4	12	14	11	7	8	14	16	21	27	27	39	71	92	110	159	1	9
11	7	5	3	53	5	1	....	3	....	3	3	2	....	1	1	6	9	10	23	18	....	10
1	1	1	....	30	1	....	....	2	3	4	6	2	8	2	5	6	9	10	7	9	1	11
8	3	1	1	19	2	3	1	....	4	....	1	1	2	3	1	6	2	4	5	2	....	12
13	8	2	3	58	10	56	249	387	360	261	215	163	132	103	87	78	67	37	24	18	1	13
18	11	11	11	108	18	26	35	45	38	24	28	19	17	22	15	9	9	17	6	5	....	14
1	....	1	1	10	5	4	8	13	16	43	49	94	171	181	202	238	240	214	130	107	3	15
....	....	....	1	2	6	14	11	9	6	7	9	9	11	5	13	13	18	25	20	17	1	16
1	3	1	....	7	11	15	13	7	10	13	17	16	22	25	17	39	39	24	15	8	....	17
14	5	2	4	162	8	16	26	32	44	51	62	56	54	63	51	58	54	37	25	29	3	18
51	32	12	15	241	37	27	26	15	10	5	3	3	9	6	4	9	1	1	1	3	....	19
6	1	....	2	47	3	4	9	10	8	17	26	36	71	87	122	168	198	211	219	237	....	20
2	2	....	3	18	3	1	3	6	3	5	14	14	25	29	58	73	110	136	157	207	1	21
36	10	4	6	479	4	....	2	4	4	2	2	....	1	....	....	2	1	2	1	1	....	22
21	5	4	5	105	21	23	29	27	29	47	50	58	69	76	57	97	89	76	73	85	3	23
4	4	4	5	80	37	46	48	38	64	69	85	110	157	187	302	398	438	574	448	469	6	24
3	2	2	3	51	17	10	18	14	20	26	20	36	25	37	56	73	97	84	66	103	3	25
55	13	3	5	376	10	4	7	6	7	7	9	6	9	18	20	41	47	62	81	118	....	26
67	25	8	10	357	11	2	2	8	8	5	4	5	4	5	14	14	19	30	21	36	....	27
118	45	23	19	623	45	32	74	72	73	71	67	93	85	97	117	115	129	122	129	153	4	28
12	13	5	3	114	5	5	10	20	12	21	10	19	33	15	23	36	47	52	54	47	....	29
21	12	3	4	193	3	2	6	15	7	13	18	15	17	35	32	52	44	53	53	56	....	30
210	....	....	....	1,504	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	87	48	17	152	26	13	6	6	11	7	9	8	10	15	17	28	30	43	39	81	1	32
5	4	2	4	53	5	4	7	3	10	5	14	5	16	14	22	18	21	21	19	23	....	33
1	1	....	....	3	....	....	4	3	2	4	9	12	25	41	30	27	25	31	19	8	....	34
....	2	....	1	16	9	1	3	2	4	7	12	14	16	27	18	28	27	40	25	18	....	35
3	2	2	2	36	19	20	29	39	40	20	27	19	19	12	11	14	8	15	4	6	....	36
1	....	2	1	7	44	48	57	40	34	24	16	14	9	10	13	9	3	3	2	3	....	37
12	9	3	3	95	7	6	6	6	4	7	5	1	5	8	6	6	10	16	5	9	....	38
1	3	2	5	30	9	17	19	36	30	42	65	49	88	92	121	142	167	163	132	132	1	39
11	5	2	5	45	14	9	20	19	29	26	32	31	31	25	22	49	53	67	86	115	1	40
....	....	....	....	....	....	....	15	61	55	41	35	14	1	1	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	22	48	51	38	32	20	1	....	....	....	....	....	....	....	1	42
1	....	....	1	33	....	....	2	3	3	3	6	6	1	2	11	11	16	21	26	51	....	43
6	....	2	2	19	2	3	3	1	1	3	2	....	2	1	4	6	7	1	1	1	....	44
12	3	....	....	388	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
....	....	....	....	632	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
....	....	....	....	784	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47	127	218	822	2	48
....	....	....	....	....	....	1	13	29	22	26	28	25	36	33	27	21	18	11	13	9	3	49
64	47	32	25	360	86	95	128	188	173	113	118	88	113	110	76	83	69	77	86	128	16	50
1	....	....	....	3	....	....	2	5	6	2	3	3	....	1	2	....	....	....	....	....	....	51
29	6	3	5	380	7	5	9	13	9	13	8	16	30	26	34	43	48	56	84	117	3	52

Table 16.—Continued.—Causes of death in Michigan, by months and age

Line number.	Causes of death, 1904.	Total deaths, 1904.	Rate per 100,000 population.	Months of death, 1904.											
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	3,424	1,242.7	311	322	341	340	290	264	280	284	258	256	220	258
2	Typhoid fever	97	35.2	6	6	13	27	12	3	5	8	2	6	4	5
3	Malarial fever	1	0.4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Smallpox	1	0.4	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
5	Measles	11	4.0	.....	1	.....	.....	3	.....	.....	.....	.....	3	.....	4
6	Scarlet fever	44	16.0	4	3	9	10	4	5	6	1	.....	1	1	.....
7	Whooping cough	52	18.9	8	14	6	7	4	2	4	2	3	.....	.....	2
8	Diphtheria and croup	48	17.4	12	4	7	4	4	3	1	1	4	1	2	5
9	Influenza	28	10.2	3	3	10	4	.....	2	.....	.....	1	.....	2	3
10	Dysentery	15	5.4	1	.....	1	.....	.....	3	3	2	2	2	.....	1
11	Erysipelas	11	4.0	3	.....	1	2	1	1	.....	.....	.....	.....	.....	3
12	Other epidemic diseases	4	1.5	1	.....	.....	1	1	.....	.....	1	.....	.....	.....	.....
13	Tuberculosis of lungs	252	91.5	19	21	17	21	32	23	21	18	17	25	25	13
14	Other forms of tuber'losis	58	21.1	4	4	9	5	4	2	6	1	6	8	3	6
15	Cancer	124	45.0	16	8	4	11	10	8	10	8	14	12	11	12
16	Rheumatism	6	2.2	2	1	2	.....	.....	.....	.....	.....	.....	.....	1	.....
17	Diabetes	10	3.6	.....	.....	1	1	2	1	1	1	2	.....	1	.....
18	Other general diseases	90	32.7	6	8	8	16	5	7	14	6	6	3	4	7
19	Meningitis	50	18.1	5	4	4	3	2	9	4	2	5	4	5	3
20	Apoplexy	74	26.9	6	8	6	5	6	7	8	9	5	6	3	5
21	Paralysis	38	13.8	7	3	5	2	3	2	2	2	4	1	3	4
22	Convulsions	87	31.6	9	14	13	9	2	8	2	3	5	3	6	13
23	Other nervous diseases	73	26.5	5	4	11	12	4	4	7	5	3	9	4	5
24	Heart disease	190	69.0	22	17	19	15	18	9	19	12	15	15	10	19
25	Other circulatory diseases	58	21.1	6	4	6	3	5	6	4	3	4	5	6	6
26	Bronchitis	107	38.8	16	11	18	10	15	6	2	6	4	2	5	12
27	Bronchopneumonia	100	36.3	17	11	16	11	10	9	3	2	4	7	8	2
28	Pneumonia	206	74.8	17	41	35	31	28	10	6	6	8	6	4	14
29	Other respiratory diseases	48	17.4	4	6	2	6	3	3	3	1	7	3	7	3
30	Diseases of stomach	41	14.9	7	4	1	3	1	6	6	4	3	3	2	1
31	Diarrhea and enteritis, under 2 years	259	94.0	11	12	10	10	11	12	27	78	46	22	13	7
32	Diarrhea and enteritis, over 2 years	42	15.2	1	4	2	6	4	5	1	6	4	4	2	3
33	Hernia and obstruction of bowels	21	7.6	2	.....	2	.....	3	1	4	1	1	3	3	1
34	Cirrhosis of liver	17	6.2	1	.....	2	1	.....	2	2	1	.....	3	1	4
35	Other liver diseases	15	5.4	.....	3	2	2	1	1	1	2	1	.....	1	1
36	Peritonitis	28	10.2	3	2	2	4	4	1	3	1	1	3	1	3
37	Appendicitis	33	12.0	1	6	4	3	1	4	4	2	1	1	4	2
38	Other digestive diseases	11	4.0	1	1	.....	1	3	.....	1	.....	1	.....	2	1
39	Birght's disease	93	33.8	8	12	11	7	6	6	12	12	5	3	8	3
40	Other genito-uri'y diseases	42	15.2	2	3	4	4	4	4	4	3	3	5	4	2
41	Peurperal septicemia	23	8.3	3	1	1	3	4	3	3	2	1	.....	1	1
42	Other puerperal diseases	20	7.3	2	.....	3	5	.....	3	3	.....	2	1	.....	1
43	Skin diseases	20	7.3	.....	3	1	5	1	.....	.....	2	1	4	2	1
44	Diseases locomotor system	11	4.0	.....	2	2	.....	1	1	.....	1	1	2	.....	1
45	Malformations	44	16.0	3	2	1	4	3	3	4	1	6	6	2	9
46	Premature birth	97	35.2	7	7	7	9	12	8	7	8	8	10	7	7
47	Congenital debility	104	37.7	6	6	12	7	10	9	6	3	11	10	9	15
48	Old age	60	21.8	4	6	9	4	5	2	7	4	3	6	5	5
49	Suicides	31	11.3	4	.....	2	4	3	4	.....	4	3	1	3	3
50	Accidents	378	137.2	32	36	25	28	23	44	35	38	22	34	26	35
51	Homicides	5	1.8	.....	1	.....	1	1	1	1	.....	.....	.....	.....	.....
52	Causes ill-defined	146	53.0	13	15	15	13	11	11	17	11	13	13	9	5

for the State and geographical sections, 1904.—Upper Peninsula.

Ages of decedents, 1904.																						
Ages in years under five.					Ages by five-year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.	Line number.
1009	174	89	37	41	1,350	97	70	108	198	196	147	154	125	147	114	143	121	127	114	76	126	11	1
4	1	....	1	....	6	5	9	15	23	10	8	12	2	2	2	1	2	....	....	....	....	....	2
....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3
1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4
4	4	....	....	....	8	1	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	5
5	4	7	3	8	27	10	6	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	6
31	9	9	1	....	50	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
5	9	4	5	4	27	15	4	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	8
7	....	....	....	1	8	....	1	....	....	1	....	....	2	3	....	1	2	2	3	2	3	....	9
7	3	2	....	....	12	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	10
4	....	....	....	....	4	....	....	....	....	....	1	1	....	....	1	1	....	1	....	1	1	....	11
2	....	....	....	....	2	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	12
3	1	2	....	2	8	....	8	23	54	39	30	27	19	18	7	7	5	4	2	....	....	1	13
13	6	2	2	3	26	5	2	2	6	5	2	3	3	1	2	1	....	....	....	....	....	....	14
2	....	....	....	....	2	....	....	....	1	4	4	2	10	21	9	16	15	9	15	9	7	....	15
....	....	....	....	....	....	....	1	2	....	....	1	1	....	....	....	....	....	....	....	....	....	1	16
....	1	....	....	....	1	....	1	2	....	....	....	....	....	2	....	....	....	2	1	1	....	....	17
13	2	1	....	....	16	2	3	3	5	4	9	8	11	6	11	4	4	2	1	....	....	1	18
20	6	7	3	3	39	1	3	2	2	1	1	....	....	....	1	....	....	....	....	....	....	....	19
4	2	....	....	....	6	....	....	....	....	1	1	1	7	7	2	11	10	5	7	8	8	....	20
1	....	1	....	....	2	....	....	....	....	....	1	1	3	1	3	5	1	5	2	4	10	....	21
71	7	5	1	2	86	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	22
8	....	3	....	1	12	2	2	4	2	2	3	10	1	6	5	4	3	5	4	2	3	3	23
4	3	....	....	1	8	4	3	6	4	7	7	10	10	8	13	31	20	20	20	10	9	....	24
3	1	....	1	....	5	2	1	4	....	2	4	1	3	2	2	6	5	9	3	4	5	....	25
55	12	3	....	1	71	5	....	....	....	....	....	1	1	2	3	3	3	6	6	3	3	....	26
59	14	5	2	2	82	5	....	....	....	3	1	....	....	....	....	2	....	2	3	1	1	....	27
56	20	7	5	5	93	2	3	6	10	10	6	11	7	9	9	8	5	10	6	4	7	....	28
10	....	2	2	....	14	1	1	1	4	1	2	2	2	7	1	1	4	2	2	1	2	....	29
16	2	2	....	2	22	....	....	....	1	....	1	....	3	3	1	3	1	2	2	....	2	....	30
224	35	....	....	....	259	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	....	15	3	2	20	4	....	....	....	1	2	1	....	....	2	1	1	2	2	3	3	....	32
3	1	1	....	....	5	....	....	1	....	1	1	1	1	2	....	4	....	1	2	....	2	....	33
....	....	....	....	....	....	....	....	1	....	....	1	2	2	2	4	1	2	1	....	....	1	....	34
3	....	....	....	....	3	2	....	....	1	....	2	1	2	1	1	1	....	1	....	....	....	....	35
6	1	....	....	....	7	2	4	2	3	4	2	1	....	2	....	1	....	....	....	....	....	....	36
....	....	....	....	....	....	5	4	3	7	4	3	1	1	1	....	1	2	1	....	....	....	....	37
6	1	1	....	....	8	....	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	38
2	....	....	....	1	3	1	1	2	5	4	4	4	5	5	9	7	13	14	7	4	5	....	39
3	1	1	2	....	7	2	2	....	....	3	3	2	1	7	....	1	2	3	4	2	2	1	40
....	....	....	....	....	....	....	....	2	6	5	2	6	2	....	....	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	....	2	3	8	4	1	2	....	....	....	....	....	....	....	....	....	42
8	....	....	....	....	8	....	....	....	1	....	1	2	1	....	....	....	3	....	2	....	2	....	43
2	4	....	....	....	6	....	....	1	....	1	1	1	....	....	....	....	....	1	....	....	....	....	44
41	3	....	....	....	44	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
97	....	....	....	....	97	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
104	....	....	....	....	104	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	6	10	39	1	48
....	....	....	....	....	....	....	....	....	2	5	2	2	4	4	6	2	2	1	....	1	....	....	49
19	14	8	6	3	50	17	10	19	54	63	32	36	17	18	13	14	8	7	7	4	6	3	50
....	....	....	....	....	....	....	....	1	1	2	....	1	....	....	....	....	....	....	....	....	....	....	51
83	7	1	....	....	91	1	....	2	1	4	4	....	3	5	7	5	7	3	6	2	5	....	52

Table 16.—Continued.—Causes of death in Michigan, by months and age

Line number.	Causes of death, 1904.	Total deaths, 1904.	Rate per 100,000 population.	Months of death, 1904.											
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	3,974	1,235.8	336	409	355	353	340	261	299	328	351	299	281	362
2	Typhoid fever	70	21.8	5	4	5	2	4	4	6	9	11	7	8	5
3	Malarial fever	9	2.8	.....	.....	.....	1	.....	1	1	1	.....	1	1	3
4	Smallpox	4	1.2	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
5	Measles	24	7.5	5	4	1	4	3	3	.....	2	1	.....	1	.....
6	Scarlet fever	51	15.9	9	9	3	4	8	5	2	5	3	.....	1	2
7	Whooping cough	25	7.8	4	5	4	5	1	.....	2	1	.....	1	.....	2
8	Diphtheria and croup	70	21.8	8	10	5	6	6	2	2	4	3	6	7	11
9	Influenza	72	22.4	9	21	18	12	5	2	.....	2	.....	.....	2	1
10	Dysentery	24	7.5	.....	1	1	1	.....	1	2	7	8	2	.....	1
11	Erysipelas	9	2.8	.....	2	2	.....	1	.....	1	.....	1	.....	.....	2
12	Other epidemic diseases	6	1.9	.....	2	.....	.....	.....	.....	1	.....	.....	2	1	.....
13	Tuberculosis of lungs	265	82.4	22	29	29	27	24	22	18	18	23	20	11	22
14	Other forms of tuberculosis	45	14.0	3	5	3	8	1	6	5	1	2	2	2	7
15	Cancer	131	40.7	8	5	12	15	11	6	18	14	13	10	9	10
16	Rheumatism	23	7.2	2	1	1	4	.....	2	.....	1	2	1	4	5
17	Diabetes	31	9.6	1	2	1	5	3	1	3	1	1	4	3	6
18	Other general diseases	94	29.2	6	9	8	4	12	9	7	9	7	10	5	8
19	Meningitis	41	12.7	2	4	3	5	8	4	3	1	4	4	1	2
20	Apoplexy	126	39.2	7	11	14	10	11	11	9	8	10	13	15	7
21	Paralysis	84	26.1	5	7	8	9	6	4	8	9	7	8	6	7
22	Convulsions	56	17.4	3	8	6	7	4	2	2	8	1	4	4	7
23	Other nervous diseases	95	29.5	7	11	8	8	9	8	8	5	6	9	7	9
24	Heart disease	317	98.6	27	37	27	24	25	24	28	21	18	22	30	34
25	Other circulatory diseases	66	20.5	5	6	4	5	4	4	5	6	10	7	5	5
26	Bronchitis	120	37.3	12	15	18	18	12	3	5	7	4	4	10	12
27	Bronchopneumonia	64	19.9	8	13	7	5	6	3	4	.....	2	1	7	8
28	Pneumonia	242	75.3	37	40	36	22	24	10	6	4	3	16	12	32
29	Other respiratory diseases	58	18.0	3	9	2	3	8	2	2	5	1	4	4	15
30	Diseases of stomach	81	25.2	7	9	5	7	7	7	9	9	5	2	3	11
31	Diarrhea and enteritis, under 2 years	225	70.0	6	6	12	8	8	11	20	46	65	23	14	6
32	Diarrhea and enteritis, over 2 years	93	28.9	2	8	2	3	4	4	10	14	23	13	6	4
33	Hernia and obstruction of bowels	37	11.5	3	4	3	1	1	3	4	4	4	3	3	4
34	Cirrhosis of liver	31	9.6	3	2	3	4	4	.....	4	2	1	2	2	4
35	Other liver diseases	27	8.4	4	4	3	2	1	2	2	.....	3	3	2	1
36	Peritonitis	33	10.3	2	2	2	2	3	2	7	4	3	1	1	4
37	Appendicitis	35	10.9	3	3	3	3	3	4	3	6	1	2	2	2
38	Other digestive diseases	23	7.2	.....	3	2	5	1	1	3	1	1	3	1	2
39	Bright's disease	141	43.8	9	12	16	14	8	9	11	10	18	8	15	11
40	Other genito-urinary diseases	68	21.1	4	7	5	8	11	3	4	5	7	5	3	6
41	Puerperal septicemia	40	12.4	2	5	2	1	4	4	4	5	5	1	5	2
42	Other puerperal diseases	32	10.0	2	1	5	3	6	1	2	1	4	1	1	5
43	Skin diseases	18	5.6	.....	1	3	1	1	.....	2	4	.....	1	3	2
44	Diseases locomotor system	7	2.2	.....	2	.....	1	1	.....	1	.....	.....	.....	1	1
45	Malformations	66	20.5	2	2	6	8	9	3	7	1	7	5	7	9
46	Premature birth	105	32.7	7	6	10	7	10	13	11	13	5	7	5	11
47	Congenital debility	89	27.7	8	8	3	11	12	7	5	8	7	7	4	9
48	Old age	117	36.4	10	17	11	11	9	7	4	6	9	12	14	7
49	Suicides	30	9.3	6	1	2	2	.....	5	3	3	1	3	3	1
50	Accidents	301	93.6	40	22	19	24	30	25	23	27	21	25	20	25
51	Homicides	3	0.9	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....
52	Causes ill-defined	150	46.6	17	14	11	13	11	8	11	10	19	14	10	12

the State and geographical sections, 1904.—Northern Counties.

Ages of decedents, 1904.																						
ges in years under five.				Ages by five-year periods.																		Line number.
1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.	
159	82	53	56	1,285	111	85	152	186	151	122	134	120	149	157	174	208	228	217	220	265	10	1
1	3	1	1	6	3	6	13	8	3	7	5	4	6	3	2	....	3	1	....	....	....	2
....	....	1	....	2	2	....	....	....	....	1	1	1	....	....	1	....	1	....	....	....	....	3
....	....	....	....	....	....	1	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	4
4	....	....	1	18	1	2	1	....	....	....	....	1	....	1	....	....	....	....	....	....	....	5
7	6	6	10	35	9	4	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	6
2	2	2	1	21	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
5	5	1	8	32	18	10	5	3	2	....	....	....	....	....	....	....	....	....	....	....	....	8
1	....	....	2	13	1	1	2	1	....	....	2	1	2	2	4	5	6	10	13	9	....	9
2	1	1	1	9	1	....	....	2	....	....	....	....	....	....	....	4	1	1	3	3	....	10
....	....	....	....	4	....	....	....	....	....	....	2	....	....	....	....	....	1	1	....	1	....	11
3	....	....	....	4	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	12
1	2	1	....	15	3	6	32	56	46	24	16	13	12	13	13	6	3	3	2	2	....	13
2	1	1	....	8	3	3	3	2	6	4	2	3	3	3	2	....	1	1	....	1	....	14
....	....	1	....	1	1	1	4	1	....	2	3	8	15	18	15	22	19	6	7	7	1	15
....	....	....	....	1	....	1	....	1	1	1	2	3	1	....	1	....	4	1	4	2	....	16
....	....	1	....	1	2	4	1	3	3	....	1	2	2	1	2	2	4	1	1	1	....	17
5	2	....	....	25	....	1	6	1	2	3	10	4	9	6	6	5	3	7	2	4	....	18
8	1	....	2	24	3	4	6	1	1	....	....	....	1	....	1	....	....	....	....	....	....	19
....	....	....	1	5	....	....	....	1	1	2	1	2	8	11	16	21	20	14	13	11	....	20
....	....	....	1	2	....	....	....	1	....	....	4	1	3	1	7	7	12	12	20	14	....	21
4	1	1	....	52	....	....	....	1	....	1	....	....	....	....	....	....	....	1	1	....	....	22
2	2	2	....	17	2	....	4	6	....	4	3	7	9	7	8	9	9	1	6	3	....	23
....	1	1	....	10	5	4	5	3	8	10	7	9	26	19	19	33	46	51	30	31	1	24
1	....	1	1	12	3	....	....	2	2	2	2	2	1	3	4	6	12	4	4	7	....	25
10	5	1	1	72	2	1	3	....	4	....	1	2	....	4	2	2	3	7	10	7	....	26
7	5	1	2	47	2	....	1	1	1	....	1	....	....	....	....	4	1	3	....	3	....	27
15	10	3	....	87	10	3	6	10	12	7	8	11	6	12	12	11	11	14	11	11	....	28
1	3	1	....	16	1	....	2	2	2	1	3	1	2	1	4	5	6	2	8	2	....	29
3	....	1	2	28	1	1	....	3	....	1	4	3	....	7	4	8	8	4	6	3	....	30
53	....	....	....	225	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	20	18	4	42	4	....	1	1	1	1	....	1	1	4	2	8	3	5	4	15	....	32
1	....	....	3	16	1	1	1	1	....	1	2	....	....	....	2	1	2	3	3	3	....	33
....	....	....	....	....	....	....	....	2	....	....	1	3	4	3	5	4	5	1	1	2	....	34
....	....	....	....	....	....	1	1	....	1	....	4	2	2	2	3	4	2	3	1	1	....	35
....	....	1	....	2	3	2	3	5	4	2	1	2	3	1	2	2	....	1	....	....	....	36
....	....	....	....	....	5	6	6	4	4	3	2	....	....	1	....	2	....	1	....	1	....	37
....	....	....	1	10	3	....	2	....	1	1	2	....	....	....	....	1	1	2	....	....	....	38
1	1	1	2	8	1	2	1	2	5	3	12	5	8	14	11	14	13	14	17	11	....	39
2	1	....	2	9	4	1	5	1	....	....	3	7	1	3	1	5	6	5	11	6	....	40
....	....	....	....	....	....	....	3	10	10	8	7	2	....	....	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	3	10	6	9	....	4	....	....	....	....	....	....	....	....	....	42
....	....	....	....	2	....	....	....	1	1	....	2	....	....	....	2	....	2	2	2	4	....	43
1	....	1	1	3	....	1	1	....	....	....	....	....	....	....	2	....	....	....	....	....	....	44
3	....	....	....	66	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
....	....	....	....	105	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
....	....	....	....	89	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	16	22	73	....	48
....	....	....	....	....	....	....	1	5	3	3	....	4	1	2	3	4	....	1	1	2	....	49
12	9	3	8	63	13	15	26	27	20	17	18	11	22	11	13	7	6	9	6	10	7	50
1	....	....	....	1	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	51
1	1	1	1	77	....	3	2	6	....	2	2	1	1	2	5	6	8	9	10	15	1	52

Table 16.—Continued.—Causes of death in Michigan, by months and ages.

Line number.	Causes of death, 1904.	Total deaths, 1904.	Rate per 100,000 population.	Months of death, 1904.											
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	5,544	1,228.8	542	550	574	514	496	389	373	415	420	465	378	428
2	Typhoid fever	116	25.7	15	7	8	10	15	4	4	10	14	14	6	9
3	Malarial fever	15	3.3	2	2	2	1	2	.....	.....	.....	.....	3	1	2
4	Smallpox	6	1.3	.....	1	1	.....	2	1	.....	.....	.....	1	.....	.....
5	Measles	41	9.1	2	2	4	6	10	12	.....	2	2	1	.....	.....
6	Scarlet fever	24	5.3	5	2	2	1	5	2	2	.....	1	1	1	2
7	Whooping cough	15	3.3	4	3	.....	.....	.....	.....	.....	.....	.....	1	5	2
8	Diphtheria and croup	65	14.4	6	7	6	8	4	9	1	3	2	2	8	9
9	Influenza	157	34.8	28	47	37	20	11	3	.....	.....	.....	.....	4	7
10	Dysentery	30	6.6	2	1	1	.....	.....	2	.....	6	9	6	1	2
11	Erysipelas	18	4.0	3	2	1	1	.....	1	.....	.....	1	2	3	4
12	Other epidemic diseases	10	2.2	.....	.....	2	1	1	.....	1	1	3	.....	.....	1
13	Tuberculosis of lungs	380	84.2	25	31	33	39	42	32	28	31	26	36	30	27
14	Other forms of tuberculosis	68	15.1	6	5	6	8	6	10	4	4	9	6	2	2
15	Cancer	276	61.2	16	22	16	30	14	24	31	23	27	30	24	19
16	Rheumatism	32	7.1	3	4	2	6	3	2	1	2	2	3	2	2
17	Diabetes	63	14.0	4	6	6	6	8	6	1	2	7	7	7	3
18	Other general diseases	127	28.1	11	12	5	11	11	11	12	14	8	12	9	11
19	Meningitis	61	13.5	4	3	8	6	7	4	3	8	5	7	3	3
20	Apoplexy	215	47.7	22	16	29	24	26	9	9	17	11	12	16	24
21	Paralysis	146	32.4	7	16	18	16	10	11	12	10	10	12	7	17
22	Convulsions	85	18.8	4	9	7	12	12	4	9	8	7	4	3	6
23	Other nervous diseases	150	33.2	15	15	13	15	16	9	13	12	7	10	7	18
24	Heart disease	582	129.0	50	37	61	49	61	44	42	51	35	58	40	54
25	Other circulatory diseases	110	24.4	10	13	8	4	13	7	9	7	5	12	16	6
26	Bronchitis	119	26.4	18	16	13	8	14	5	12	7	6	7	8	5
27	Bronchopneumonia	70	15.5	12	10	6	4	9	10	3	2	1	.....	5	8
28	Pneumonia	340	75.4	48	64	63	37	21	16	8	3	12	14	18	36
29	Other respiratory diseases	76	16.8	8	7	8	9	9	5	6	4	2	5	6	7
30	Diseases of stomach	112	24.8	12	7	14	15	9	8	7	5	12	8	9	6
31	Diarrhea and enteritis, under 2 years	216	47.9	9	10	7	9	4	6	17	41	63	36	9	5
32	Diarrhea and enteritis, over 2 years	78	17.3	7	4	2	4	3	6	4	12	17	12	4	3
33	Hernia and obstruction of bowels	35	7.8	4	1	.....	4	3	3	5	2	6	3	1	3
34	Cirrhosis of liver	35	7.8	3	2	7	3	6	.....	4	3	2	4	1	.....
35	Other liver diseases	56	12.4	7	4	4	7	9	3	4	4	6	3	2	3
36	Peritonitis	52	11.5	4	6	10	3	2	6	2	5	5	5	3	1
37	Appendicitis	75	16.6	9	7	8	4	6	6	7	11	6	5	1	5
38	Other digestive diseases	41	9.1	2	5	2	3	6	2	4	2	6	2	5	2
39	Bright's disease	214	47.4	28	19	17	26	14	18	15	15	17	14	14	17
40	Other genito-urinary diseases	105	23.3	8	15	8	10	12	2	5	9	6	10	12	8
41	Puerperal septicemia	46	10.2	8	4	2	2	3	4	6	5	1	4	5	2
42	Other puerperal diseases	45	10.0	4	7	3	3	6	6	1	2	3	4	4	2
43	Skin diseases	32	7.1	2	3	4	.....	4	3	.....	4	2	3	2	5
44	Diseases locomotor system	10	2.2	.....	.....	1	.....	.....	1	2	1	2	.....	1	2
45	Malformations	68	15.1	5	6	8	9	6	7	7	4	1	1	3	11
46	Premature birth	114	25.3	9	13	19	10	8	5	11	5	7	7	11	9
47	Congenital debility	111	24.6	14	7	10	8	9	8	8	9	10	13	5	10
48	Old age	199	44.1	27	27	25	19	18	13	9	7	9	14	15	16
49	Suicides	40	8.9	3	5	3	5	2	4	1	7	2	2	4	2
50	Accidents	315	69.8	26	22	37	26	22	24	37	24	14	36	26	21
51	Homicides	1	0.2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
52	Causes ill-defined	147	32.6	21	16	17	11	12	11	6	11	11	13	9	9

for the State and geographical sections, 1904.—Central Counties.

Ages of decedents, 1904.																						
Ages in years under five.					Ages by five-year periods.																	Line number.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.	
1018	136	77	47	43	1,321	126	129	191	235	188	189	152	176	233	240	243	357	370	437	398	553	6	1
1	1	1	1	4	8	6	16	13	22	15	4	8	5	7	2	3	1	2	2	2	....	....	2
1	1	....	1	1	4	1	....	2	....	....	2	1	....	1	....	....	....	....	2	1	1	....	3
3	....	....	....	....	3	....	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	4
15	8	4	1	3	31	3	1	1	....	1	2	1	....	1	....	....	....	....	....	....	....	....	5
3	4	3	3	1	14	5	3	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	6
12	1	....	....	1	14	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7
6	6	7	7	4	30	19	7	5	1	....	1	....	1	....	....	....	....	....	....	1	....	....	8
10	2	....	1	....	13	1	3	2	5	1	2	3	5	6	9	8	9	17	17	22	34	....	9
3	2	2	3	1	11	1	....	....	1	....	1	....	1	....	1	1	....	....	4	7	2	....	10
4	....	....	....	....	4	1	....	....	....	....	1	2	....	2	....	1	....	2	3	1	1	....	11
1	1	....	....	....	2	....	1	....	....	2	....	....	1	1	....	....	1	1	1	....	....	....	12
2	2	....	....	....	4	3	13	40	61	52	49	31	30	24	13	17	18	18	5	1	1	....	13
8	3	1	1	1	14	2	9	5	7	6	2	3	....	3	3	1	2	5	4	1	1	....	14
3	....	....	....	....	3	1	1	3	4	2	10	8	13	24	32	18	38	38	40	24	17	....	15
....	....	....	....	....	....	3	4	1	2	....	....	....	2	2	2	2	2	3	3	5	1	....	16
....	....	1	....	....	1	3	3	1	3	....	3	6	4	4	4	4	14	7	4	1	1	....	17
21	....	....	1	....	22	....	2	8	6	10	6	7	10	7	11	8	8	8	5	5	4	....	18
22	10	6	3	1	42	9	4	3	1	....	....	....	....	1	....	....	1	....	....	....	....	....	19
4	2	1	....	1	8	....	1	5	1	2	3	2	3	6	16	16	27	26	33	32	34	....	20
....	....	....	....	....	....	....	....	....	2	1	1	....	....	6	5	11	8	23	24	24	40	1	21
72	5	....	....	1	78	1	....	1	....	1	....	1	....	1	....	....	....	1	....	....	1	....	22
14	5	....	....	2	21	5	2	5	5	5	7	3	5	10	14	4	18	11	11	13	11	....	23
9	....	1	1	1	12	4	6	9	5	10	10	10	28	29	32	38	77	70	95	77	70	....	24
3	....	....	....	1	4	4	1	2	3	3	1	4	8	3	9	9	13	14	17	3	12	....	25
30	11	1	1	....	43	1	2	1	1	1	2	....	....	3	2	3	8	7	12	18	15	....	26
34	5	2	1	....	42	1	1	....	2	....	2	1	1	1	2	4	3	....	2	3	5	....	27
74	16	7	2	3	102	9	6	17	17	8	9	7	18	18	10	20	12	23	22	17	24	1	28
17	2	1	....	1	21	....	1	....	3	2	2	....	3	5	4	2	3	8	10	6	6	....	29
31	3	3	....	....	37	....	....	....	2	4	....	4	....	3	8	4	10	8	11	10	11	....	30
192	24	....	....	....	216	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	....	16	8	3	27	6	....	2	2	1	2	1	1	1	....	2	5	3	10	5	10	....	32
6	....	....	....	....	6	1	1	....	....	3	....	3	....	3	3	2	1	1	2	3	6		33
....	1	1	....	....	2	....	....	2	....	....	1	1	2	3	5	3	5	3	5	3	....		34
3	....	1	....	1	5	3	....	....	....	....	2	2	....	4	6	2	4	6	9	6	7		35
5	1	1	1	....	8	2	2	4	5	4	4	4	3	2	2	3	3	1	3	....	2		36
1	....	....	1	....	2	10	11	15	9	5	3	3	5	2	2	4	2	....	....	1	1		37
15	1	4	1	....	21	2	1	1	1	....	4	1	..	1	1	3	1	....	....	3	1		38
3	....	1	1	1	6	1	4	8	9	3	8	4	3	17	15	20	21	23	29	20	23		39
6	3	1	....	2	12	1	1	2	3	3	7	4	3	3	7	5	9	5	15	6	19		40
....	....	....	....	....	....	....	....	3	15	15	8	5	..	..	....	..	....	....	....	....	....		41
....	....	....	....	....	....	....	....	6	7	12	9	6	4	1	....	..	....	....	....	....	....		42
8	....	....	....	....	8	....	....	....	....	....	1	..	2	..	1	1	1	4	1	5	8		43
1	....	....	....	1	2	1	....	....	....	....	1	..	..	1	....	..	2	1	1	1	....		44
65	1	2	....	....	68	....	....	....	....	....	....	..	..	..	....	..	....	....	....	....	....		45
114	....	....	....	....	114	....	....	....	....	....	....	..	..	..	....	..	....	....	....	....	....		46
111	....	....	....	....	111	....	....	....	....	....	....	..	..	..	....	..	....	....	....	....	....		47
....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	....	..	....	6	15	41	136	1	48
....	....	....	....	....	....	....	....	3	6	....	1	3	3	3	3	6	3	2	3	2	2		49
41	13	8	8	7	77	12	21	19	22	15	14	12	9	17	15	11	16	13	9	13	19	1	50
1	....	....	....	....	1	....	....	....	....	....	....	..	..	..	....	..	....	..	....	....	....		51
43	2	1	....	1	47	3	1	....	1	1	4	..	3	6	1	7	11	10	8	15	27	2	52

Table 16.—Concluded.—Causes of deaths in Michigan by months and ages.

Line number.	Causes of death, 1904.	Total deaths, 1904.	Rate per 100,000 population.	Months of death, 1904.											
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	21,552	1,454.5	1,999	2,142	2,147	2,058	1,861	1,524	1,603	1,623	1,635	1,584	1,551	1,825
2	Typhoid fever	358	24.2	31	30	30	42	28	19	12	18	41	39	37	31
3	Malarial fever	33	2.2	3	2	4	1	3	1	3	8	4	2	2	.....
4	Smallpox	15	1.0	.....	2	2	.....	1	3	2	1	2	1	.....	1
5	Measles	118	8.0	6	11	22	18	28	19	9	1	2	.....	1	1
6	Scarlet fever	91	6.1	21	16	17	12	5	7	2	2	1	.....	1	7
7	Whooping cough	56	3.8	4	8	7	3	5	5	4	3	2	6	6	3
8	Diphtheria and croup	332	22.4	58	34	18	30	28	31	19	14	24	20	29	27
9	Influenza	448	30.2	57	126	103	68	31	11	4	3	4	5	12	24
10	Dysentery	69	4.7	1	1	4	1	.....	3	4	16	17	18	2	2
11	Erysipelas	67	4.5	5	12	14	8	2	4	4	3	3	3	3	6
12	Other epidemic diseases	36	2.4	4	3	2	2	2	3	4	11	2	2	.....	1
13	Tuberculosis of lungs	1,409	95.1	115	112	151	157	120	112	103	102	97	119	102	119
14	Other forms of tuberculosis	270	18.2	19	28	26	21	26	21	29	23	23	19	17	18
15	Cancer	1,197	80.8	98	99	118	97	86	98	99	97	114	96	84	111
16	Rheumatism	135	9.1	13	18	19	20	12	9	7	6	9	9	9	4
17	Diabetis	194	13.1	23	14	16	18	19	20	11	14	14	8	17	20
18	Other general diseases	520	35.1	44	42	47	68	56	41	48	28	32	39	37	38
19	Meningitis	249	16.8	26	15	22	20	25	27	23	20	18	12	15	26
20	Apoplexy	1,058	71.4	97	106	105	74	94	68	73	78	75	81	91	116
21	Paralysis	595	40.2	55	66	64	54	36	48	27	40	44	58	49	54
22	Convulsions	277	18.7	21	22	19	29	36	18	22	24	20	18	23	25
23	Other nervous diseases	696	47.0	52	60	73	64	61	55	66	56	60	51	46	55
24	Heart disease	2,467	166.5	207	222	239	256	235	193	186	171	172	178	186	222
25	Other circulatory diseases	522	35.2	49	48	40	58	41	54	34	39	38	26	50	45
26	Bronchitis	482	32.5	43	60	58	58	48	33	21	17	25	29	42	48
27	Bronchopneumonia	311	21.0	45	55	33	36	33	25	4	6	12	14	19	29
28	Pneumonia	1,313	88.6	219	239	186	154	129	57	36	20	33	43	77	120
29	Other respiratory diseases	341	23.0	43	49	34	29	35	20	21	15	25	27	20	23
30	Diseases of stomach	380	25.6	53	27	30	34	34	19	31	28	34	29	22	39
31	Diarrhea and enteritis, under 2 years	804	54.3	23	23	27	25	33	34	147	188	150	92	35	27
32	Diarrhea and enteritis, over 2 years	289	19.5	16	17	17	19	20	15	16	40	52	37	21	19
33	Hernia and obstruction of bowels	167	11.3	14	12	19	21	16	14	16	14	12	10	11	8
34	Cirrhosis of liver	160	10.8	11	13	18	15	11	10	12	14	16	14	8	18
35	Other liver diseases	169	11.4	13	11	15	20	20	10	12	10	14	11	13	20
36	Peritonitis	225	15.2	17	27	21	20	18	15	14	16	18	20	18	21
37	Appendicitis	193	13.0	23	22	18	16	13	22	11	17	11	14	13	13
38	Other digestive diseases	127	8.6	11	10	11	11	14	10	8	9	10	11	9	13
39	Bright's disease	887	59.9	83	78	78	89	70	53	79	67	66	66	78	80
40	Other genito-urinary diseases	459	31.0	45	47	48	38	41	35	35	31	31	28	33	47
41	Puerperal septicemia	114	7.7	15	14	10	9	13	12	7	3	10	9	3	9
42	Other puerperal diseases	116	7.8	11	11	9	17	6	7	10	11	8	13	7	6
43	Skin diseases	125	8.4	9	10	15	12	14	9	15	10	5	8	4	14
44	Diseases locomotor system	29	2.0	1	2	1	5	3	1	.....	5	3	3	3	2
45	Malformations	210	14.2	17	22	9	30	21	13	17	14	19	12	14	22
46	Premature birth	316	21.3	34	35	30	28	26	27	22	27	24	21	17	25
47	Congenital debility	480	32.4	32	43	30	32	39	38	38	53	48	51	26	50
48	Old age	840	56.7	77	93	100	81	83	55	48	50	47	68	71	67
49	Suicides	214	14.4	20	15	15	18	20	20	18	17	18	15	23	15
50	Accidents	1,113	75.1	75	76	114	91	87	68	118	101	88	92	114	89
51	Homicides	18	1.2	1	.....	.....	.....	.....	.....	2	1	4	2	4	4
52	Causes ill-defined	458	30.9	39	34	39	32	34	32	50	61	34	35	27	41

the State and geographical sections, 1904.—Southern Counties.

Ages in years under five.				Ages of decedents, 1904. Ages by five-year periods.																		Line number.
1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.	
503	253	135	142	4,490	416	386	639	778	760	687	753	711	858	957	1096	1385	1575	1816	1745	2470	30	1
4	2	2	2	13	14	26	58	75	39	26	25	17	17	11	8	9	6	7	4	2	1	2
....	....	....	....	3	1	1	4	1	1	2	....	2	3	3	2	....	1	5	3	1	....	3
....	....	....	....	2	2	....	1	1	1	3	1	....	....	1	....	3	....	....	....	....	....	4
26	13	5	4	81	9	5	8	3	1	1	4	....	2	....	....	1	....	2	1	....	....	5
4	14	12	8	43	20	11	7	5	4	1	....	....	....	....	....	....	....	....	....	....	....	6
10	5	1	1	54	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	7
33	43	27	41	168	105	32	15	5	1	....	....	1	....	3	1	....	....	....	....	....	1	8
5	2	....	1	38	2	7	10	5	5	6	9	8	10	16	14	23	46	62	73	113	1	9
4	2	1	1	21	3	1	....	....	....	2	3	1	....	....	....	2	6	4	13	13	....	10
1	1	1	....	18	....	....	....	2	3	2	1	2	6	1	3	6	5	6	5	6	1	11
4	3	1	1	11	2	2	1	....	1	....	1	....	1	2	1	4	1	3	4	2	....	12
9	4	1	1	31	4	29	154	216	223	158	141	101	78	70	50	49	42	27	21	15	....	13
7	7	7	7	60	8	12	25	30	21	16	20	15	10	14	11	7	3	12	5	3	....	14
1	....	....	1	4	3	2	1	7	10	27	36	63	111	122	153	163	174	153	90	76	2	15
....	....	....	1	1	3	8	8	6	5	5	6	4	8	3	10	11	11	21	11	14	....	16
....	2	....	....	4	6	7	9	1	7	10	10	10	14	20	11	23	26	18	12	6	....	17
7	2	1	4	99	6	10	9	20	28	33	37	31	32	35	33	41	41	24	18	21	2	18
27	18	6	9	136	24	16	15	11	8	4	3	3	7	5	3	8	1	1	1	5	....	19
2	....	....	....	28	3	3	4	8	4	11	22	24	50	58	79	110	147	157	166	184	....	20
2	1	....	2	14	3	1	3	3	2	3	9	10	15	20	35	57	70	98	109	143	....	21
20	4	2	3	263	2	....	1	3	3	1	1	....	....	....	....	2	....	1	....	....	....	22
14	....	2	2	55	12	19	16	14	22	33	34	45	44	50	41	67	64	60	52	68	....	23
1	2	2	3	50	24	33	28	26	39	42	58	63	94	123	214	268	302	408	331	259	5	24
1	2	....	1	30	8	8	12	9	13	19	13	23	19	23	37	49	62	60	55	79	3	25
22	4	1	3	190	2	1	3	5	2	5	7	3	4	9	12	28	31	37	50	93	....	26
41	13	4	6	186	3	1	1	5	4	2	2	4	3	3	8	7	16	22	17	27	....	27
67	21	13	11	341	24	20	45	35	43	49	41	57	52	66	77	87	85	80	97	111	3	28
9	7	2	2	63	3	3	7	11	7	16	5	13	19	9	16	24	31	38	39	37	....	29
13	7	2	....	106	2	1	6	9	3	11	10	9	11	19	21	33	26	36	37	40	....	30
98	....	....	....	804	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31
....	36	19	8	63	12	13	3	3	8	2	7	6	8	9	12	14	22	26	27	53	1	32
3	3	2	1	26	3	2	5	2	6	3	8	4	11	11	14	16	17	14	13	12	....	33
....	....	....	....	1	....	....	1	1	2	2	5	5	16	29	21	16	16	25	15	5	....	34
....	1	....	....	8	4	....	2	1	3	3	5	10	9	18	12	20	18	28	18	10	....	35
1	1	....	2	19	12	12	20	26	28	12	21	14	12	9	5	9	7	14	4	4	....	36
1	....	1	1	5	24	27	33	20	21	15	10	8	6	7	8	3	2	2	1	1	....	37
10	4	2	2	56	2	4	3	4	3	2	2	1	3	7	3	4	9	14	2	8	....	38
....	1	....	1	13	6	10	8	20	18	27	45	36	58	54	83	94	117	113	91	93	1	39
5	2	....	1	17	7	5	13	15	23	16	23	20	20	15	15	33	39	43	67	88	....	40
....	....	....	....	....	....	....	7	30	25	23	17	10	1	1	....	....	....	....	....	....	....	41
....	....	....	....	....	....	....	11	28	25	16	25	10	....	....	....	....	....	....	....	....	1	42
1	....	....	1	15	....	....	2	1	2	1	2	3	1	1	8	7	10	16	19	37	....	43
1	....	1	....	8	1	2	1	1	....	1	1	....	1	1	2	4	5	....	....	1	....	44
5	1	....	....	210	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45
....	....	....	....	316	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46
....	....	....	....	480	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	47
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	31	90	145	574	....	48
....	....	....	....	....	....	1	9	16	14	20	23	14	28	22	16	12	15	7	9	5	3	49
25	22	15	7	170	44	49	64	85	75	50	52	51	56	71	38	52	43	52	63	93	5	50
....	....	....	....	1	....	....	1	4	3	2	2	3	....	....	2	....	....	....	....	....	....	51
19	3	2	3	165	3	1	5	5	4	3	6	9	18	16	17	19	27	33	57	70	....	52

DISCUSSION OF INDIVIDUAL CAUSES OF DEATH, 1904.

The following text is devoted to the discussion of the most important individual diseases and groups of diseases according to the condensed list as shown in Table 16, by months and ages, for the State and geographical sections into which it is divided. For convenience, a summary derived from these tables will be presented in connection with each cause.

DEATHS FROM ALL CAUSES.

Total number of deaths registered by means of certificates of deaths during the year 1904 was 34,494, corresponding to a mortality of 1,364.4 per 100,000 population. This number is exclusive of 1,911 stillbirths returned as deaths. Compared with the immediately preceding years, we have:

Years.	Total deaths registered.	Death rates per 100,000 population.
1898	28,174	1,199.0
1899	32,289	1,353.4
1900	32,453	1,340.5
1901	32,834	1,339.7
1902	31,472	1,271.3
1903	33,176	1,325.6
1904	34,494	1,364.4

The rates more conveniently expressed as rates per 1,000 population would be 12.0, 13.5, 13.4, 13.4, 12.7, 13.3, 13.6.

The general distribution of the deaths among the four geographical sections were as follows:

Geographical sections.	Total deaths, 1904.	Death rates per 1,000 population.
STATE OF MICHIGAN	34,494	13.6
Upper Peninsula	3,424	12.4
Northern counties	3,974	12.4
Central counties	5,544	12.3
Southern counties	21,552	14.5

Sixty-two per cent of the total number of deaths occurred in the southern counties, and the death rate of this section was somewhat higher than that of any other. This might be expected, as the southern counties comprise the oldest portion of the State, with an age distribution of population less favorable than the newly-settled portions of the State. It is also very likely that registration is more accurate in densely settled portions of the State.

TYPHOID FEVER.

The total number of deaths from typhoid fever compiled in this Report is 641.

Following is a comparative statement of deaths and death rates from typhoid fever, according to the final compilation of the returns as given in the registration reports, for the preceding five years of registration of deaths under the registration law of 1897:

Years.	Deaths from typhoid fever.	Death rates per 100,000 population.
1900	869	35.9
1901	645	26.3
1902	608	24.6
1903	606	24.2
1904	641	25.3

It will be noted that the mortality from this disease was somewhat greater for the year 1904 than for the two years immediately preceding, but slightly less than for the years 1900–1901.

The maximum number of deaths in any month, 81, occurred in April, and the least number, 27, in July. By geographical sections, the highest death rate, 35.2 per 100,000, was in the Upper Peninsula, and the lowest, 21.8, in the Northern Counties.

Table 17.—Deaths from typhoid fever in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	641	25.3	57	47	56	81	59	30	27	45	68	66	55	50
Upper Peninsula	97	35.2	6	6	13	27	12	3	5	8	2	6	4	5
Northern Counties	70	21.8	5	4	5	2	4	4	6	9	11	7	8	5
Central Counties	116	25.7	15	7	8	10	15	1	4	10	14	14	6	9
Southern Counties	358	24.2	31	30	30	42	28	19	12	18	41	39	37	31

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
357	284	8	33	28	61	156	195	95	60	32	23	16	2

*Includes one at sea.

SMALLPOX.

The distribution of deaths from smallpox is shown in Table 18. Although of small numerical importance as a cause of death, the remembrance of its fatality in the past still clings around this disease, and no epidemic cause attracts so much public attention and is considered worthy of so much effort and expense for the sake of immediate restriction as smallpox among all the causes ordinarily prevalent in this State. There were 26 deaths during the year 1904, corresponding to a rate of 1.0 per 100,000 population.

Table 18.—Deaths from smallpox in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	26	1.0	1	3	4	....	3	4	4	1	3	2	.....	1
Upper Peninsula	1	0.4	....	....	....	....	....	....	1	....	....	....	....	....
Northern Counties	4	1.2	1	....	1	....	....	....	1	....	1	....	....	....
Central Counties	6	1.3	....	1	1	....	2	1	....	....	....	1	....	....
Southern Counties	15	1.0	....	2	2	....	1	3	2	1	2	1	....	1

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
15	11	6	6	2	8	3	3	7	1	1	3	....	....

MEASLES.

Measles as a cause of death was somewhat higher than the preceding year. There were 194 deaths returned from this cause as compared with 176 for the year 1903. Distribution by ages, sex, months, and geographical sections may be seen in Table 19.

SCARLET FEVER.

Scarlet fever showed a slight increase of mortality for the year compared with 1903. There were 210 deaths returned from this cause, corresponding to an annual death rate of 8.3 per 100,000 population. The greatest number of deaths occurred in the southern counties. The distribution is shown in Table 20.

Table 19.—Deaths from measles in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	194	7.7	13	18	27	28	44	34	9	5	5	4	2	5
Upper Peninsula	11	4.0	.....	1	.....	.....	3	.....	.....	.....	.....	3	.....	4
Northern Counties	24	7.5	5	4	1	4	3	3	.....	2	1	.....	1	.....
Central Counties	41	9.1	2	2	4	6	10	12	.....	2	2	1	.....	.....
Southern Counties	118	8.0	6	11	22	18	28	19	9	1	2	.....	1	1

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
103	91	65	138	14	152	18	5	10	4	1	1	3	.....

Table 20.—Deaths from scarlet fever in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	210	8.3	39	30	31	27	22	19	12	8	5	2	4	11
Upper Peninsula	44	16.0	4	3	9	10	4	5	6	1	.....	1	1	.....
Northern Counties	51	15.9	9	9	3	4	8	5	2	5	3	.....	1	2
Central Counties	24	5.3	5	2	2		5	2	2	.....	1	1	1	2
Southern Counties	91	6.1	21	16	17	12	5	7	2	2	1	.....	1	7

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
105	105	19	119	44	163	34	12	1	.....	.....	.....	.....	.....

WHOOPING COUGH.

Deaths from whooping cough decreased from 383 in 1903 to 148 in 1904. Very little attention is given to this disease in the way of restriction, whose mortality is almost entirely confined to the early years of life. For exact comparisons, rates based upon susceptible populations of early age must be employed. For the distribution by months and ages see Table 21.

Table 21.—Deaths from whooping cough in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	148	5.8	20	30	17	15	10	7	10	6	5	8	11	9
Upper Peninsula	52	18.9	8	14	6	7	4	2	4	2	3	..		2
Northern Counties	25	7.8	4	5		5	1	.....	2	1	....	1	.	2
Central Counties	15	3.3	4	3	..	....	.....	.....	.....	....	....	1	5	2
Southern Counties	56	3.8	4	8	7	3	5	5	4	3	2	6	6	3

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
63	85	94	139	7	146	1	..	1	..				.

DIPHTHERIA AND CROUP.

Deaths and death rates from diphtheria and croup for the past five years were as follows:

Years.	Deaths from diphtheria and croup.	Death rates per 100,000 population.
1900	[illegible]	[illegible]
1901	[illegible]	[illegible]
1902	[illegible]	[illegible]
1903	[illegible]	[illegible]
1904	[illegible]	[illegible]

Over half of the deaths from these causes were of children under five years of age. The highest death rate, 22.4, was in the southern counties. January showed the largest number of deaths, 84, while August had the fewest, [illegible]

Table 22.—Deaths from diphtheria and croup in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	515	20.4	84	55	36	48	42	45	23	22	33	29	46	52
Upper Peninsula	48	17.4	12	4	7	4	4	3	1	1	4	1	2	5
Northern Counties	70	21.8	8	10	5	6	6	2	2	4	3	6	7	11
Central Counties	65	14.4	6	7	6	8	4	9	1	3	2	2	8	9
Southern Counties	332	22.4	58	34	18	30	28	31	19	14	24	20	29	27

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
256	259	48	257	157	414	79	12	1	3	4	.....	1	....

*Includes one at unknown age.

INFLUENZA.

There were 705 deaths from influenza in Michigan during the year 1904, corresponding to a death rate of 27.9 per 100,000 population. An increase of 225 is shown over the returns of the preceding year. By geographical sections, the largest number of deaths from this cause, 448, occurred in the southern counties, and the smallest number, 28, occurred in the Upper Peninsula.

Table 23.—Deaths from influenza in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	705	27.9	97	197	168	104	47	18	4	5	5	5	20	35
Upper Peninsula	28	10.2	3	3	10	4	.....	2	.....	.....	1	.....	2	3
Northern Counties	72	22.4	9	21	18	12	5	2	...	2	.....	.....	2	1
Central Counties	157	34.8	28	47	37	20	11	3	.....	.....	.....	.....	4	7
Southern Counties	448	30.2	57	126	103	68	31	11	4	3	4	5	12	24

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
340	365	57	72	4	76	26	18	22	37	54	110	202	159

*Includes one at unknown age.

PULMONARY TUBERCULOSIS.

There were 2,306 deaths returned from pulmonary tuberculosis for the year 1904, corresponding to an annual death rate of 91.1 per 100,000 population. The distribution of these deaths is shown by months, sex, and age periods in Table 24. The greatest mortality by months from this cause was for April, 244, and the smallest number occurred in the month of September, which month had 163 deaths.

By geographical sections, the largest number of deaths occurred in the southern counties, which had 1,409 deaths, and the smallest number, 252, occurred in the northern counties.

Table 24.—Deaths from tuberculosis of lungs in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	2,306	91.1	181	193	230	244	218	189	170	169	163	200	168	181
Upper Peninsula	252	91.5	19	21	17	21	32	23	21	18	17	25	25	13
Northern Counties	265	82.4	22	29	29	27	24	22	18	18	23	20	11	22
Central Counties	380	84.2	25	31	33	39	42	32	28	31	26	36	30	27
Southern Counties	1,409	95.1	115	112	151	157	120	112	103	102	97	119	102	119

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,079	1,227	32	58	10	68	305	747	476	295	190	145	61	18

*Includes one at unknown age.

OTHER FORMS OF TUBERCULOSIS.

There were 441 deaths compiled from other forms of tuberculosis in Michigan during the year 1904, corresponding to an annual death rate of 17.4 per 100,000 population. The distribution of these deaths is shown in Table 25.

For the State as a whole, the maximum mortality occurred during the months of March and July, namely, 44, and the minimum number, 24, in November.

Considered by geographical sections, the greatest mortality was in the southern counties, 270, and the smallest number, 45, in the northern counties.

Table 25.—Deaths from other forms of tuberculosis in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	441	17.4	32	42	44	42	37	39	44	29	40	35	24	33
Upper Peninsula	58	21.1	4	4	9	5	4	2	6	1	6	8	3	6
Northern Counties	45	14.0	3	5	3	8	1	6	5	1	2	2	2	7
Central Counties	68	15.1	6	5	6	8	6	10	4	4	9	6	2	2
Southern Counties	270	18.2	19	28	26	21	26	21	29	23	23	19	17	18

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
234	207	57	108	18	126	61	83	52	36	37	18	23	5

CANCER.

There were 1,728 deaths compiled from cancer in Michigan for the year 1904, corresponding to an annual death rate of 68.3 per 100,000 population. The distribution of these deaths is shown in Table 26.

For the State as a whole, the maximum mortality from this cause, 168, was in the month of September, and the minimum mortality was in the month of May, which had 121 deaths.

Considered by geographical sections, the greatest mortality was in the southern counties, which section had 1,197 deaths, and the least was in the Upper Peninsula, with 124 deaths.

Table 26.—Deaths from cancer in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,728	68.3	138	134	150	153	121	136	158	142	168	148	128	152
Upper Peninsula	124	45.0	16	8	4	11	10	8	10	8	14	12	11	12
Northern Counties	131	40.7	8	5	12	15	11	6	18	14	13	10	9	10
Central Counties	276	61.2	16	22	16	30	14	24	31	23	27	30	24	19
Southern Counties	1,197	80.8	98	99	118	97	86	98	99	97	114	96	84	111

Deaths by sex, 1904.		Deaths by ages, 1904.*												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
751	977	7	10	5	15	12	29	92	265	383	478	344	107

*Includes three at unknown age.

DISEASES OF THE NERVOUS SYSTEM.

The following comparative statement shows the number of deaths and death rates per 100,000 population as compiled from diseases affecting the nervous system:

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904.*
Total	4,056	4,012	3,809	4,077	4,256
Meningitis	514	427	384	382	401
Apoplexy	1,259	1,243	1,249	1,390	1,473
Paralysis	788	799	760	843	863
Convulsions	542	550	473	483	505
Other nervous diseases	953	993	943	979	1,014
	Death rates per 100,000 population.				
Total	167.4	163.6	153.9	162.9	168.2
Meningitis	21.2	17.4	15.5	15.3	15.8
Apoplexy	52.0	50.7	50.5	55.5	58.2
Paralysis	32.5	32.6	30.7	33.7	34.1
Convulsions	22.4	22.4	19.1	19.3	20.0
Other nervous diseases	39.3	40.5	38.1	39.1	40.1

This group undoubtedly includes many deaths not correctly assignable to diseases of the nervous system. Thus deaths from meningitis may be in part from "simple" or "idiopathic" meningitis, from epidemic cerebro-spinal meningitis, or from meningitis following pneumonia, typhoid fever, and other acute infectious diseases. It may also include some deaths from tuberculous meningitis, the element of tuberculosis not having been properly specified in the physician's certificate; when known to be such these cases are included under tuberculous diseases.

Following is a detailed statement, by months, geographical sections, and ages, of the mortality of the year from the more important diseases of the nervous system:

Table 27.—Deaths from meningitis in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	401	15.8	37	26	37	34	42	44	33	31	32	27	24	34
Upper Peninsula	50	18.1	5	4	4	3	2	9	4	2	5	4	5	3
Northern Counties	41	12.7	2	4	3	5	8	4	3	1	4	4	1	2
Central Counties	61	13.5	4	3	8	6	7	4	3	8	5	7	3	3
Southern Counties	249	16.8	26	15	22	20	25	27	23	20	18	12	15	26

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
225	176	131	241	37	278	53	25	8	12	10	10	2	3

Table 28.—Deaths from apoplexy in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,473	58.2	132	141	154	113	137	95	99	112	101	112	125	152
Upper Peninsula	74	26.9	6	8	6	5	6	7	8	9	5	6	3	5
Northern Counties	126	39.2	7	11	14	10	11	11	9	8	10	13	15	7
Central Counties	215	47.7	22	16	29	24	26	9	9	17	11	12	16	24
Southern Counties	1,058	71.4	97	106	105	74	94	68	73	78	75	81	91	116

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
817	656	38	47	3	50	13	18	43	107	209	366	430	237

Table 29.—Deaths from paralysis in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	863	34.1	74	92	95	81	55	65	49	61	65	79	65	82
Upper Peninsula	38	13.8	7	3	5	2	3	2	2	2	4	1	3	4
Northern Counties	84	26.1	5	7	8	9	6	4	8	9	7	8	6	7
Central Counties	146	32.4	7	16	18	16	10	11	12	10	10	12	7	17
Southern Counties	595	40.2	55	66	64	54	36	48	27	40	44	58	49	54

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
446	417	11	18	3	21	4	9	19	39	87	183	293	207

*Includes one at unknown age.

Table 30.—Deaths from convulsions in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	505	20.0	37	53	45	57	54	32	35	43	33	29	36	51
Upper Peninsula	87	31.6	9	14	13	9	2	8	2	3	5	3	6	13
Northern Counties	56	17.4	3	8	6	7	4	2	2	8	1	4	4	7
Central Counties	85	18.8	4	9	7	12	12	4	9	8	7	4	3	6
Southern Counties	277	18.7	21	22	19	29	36	18	22	24	20	18	23	25

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
277	228	423	479	4	483	2	8	4	1	.....	3	3	1

DISEASES OF THE CIRCULATORY SYSTEM.

The total number of deaths, together with death rates per 100,000 population, from the causes here compiled may be seen in the following statement, which merely attempts to distinguish two varieties of returns, namely, deaths reported from some definite form of organic heart disease and deaths from endocarditis, pericarditis, diseases of the arteries and veins, and other and indefinitely reported diseases of the circulatory system, including deaths from "hemorrhage" with unspecified cause.

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904.*
Total diseases of the circulatory system	3,059	3,291	3,593	3,969	4,312
Heart disease	2,472	2,691	2,910	3,297	3,556
Other circulatory diseases	587	600	683	672	756
	Death rates per 100,000 population.				
Total diseases of the circulatory system	126.3	134.3	145.2	158.6	170.4
Heart disease	102.1	109.8	117.6	131.7	140.6
Other circulatory diseases	24.2	24.5	27.6	26.9	29.9

This does not include deaths from "heart failure," which are regarded as too worthless to be included among deaths from diseases of any particular organ. The marked and steady increase in the registered mortality from heart disease is a feature of great interest. If deaths from "heart failure," a portion of which may have been due to actual organic disease of the heart, were included, the number of deaths from this cause would be still higher, but even as it is, the number of deaths from organic heart disease in Michigan in 1904 exceeded those from any other single cause recorded.

The distribution of deaths from organic heart disease during the year 1904 may be seen in Table 31, according to which it appears that the death rate from this disease increased progressively in passing from the Upper Peninsula to the southern counties. This might have been expected as the deaths from heart disease are chiefly those of elder persons, and the general age distribution of the population is more favorable to a high ratio of deaths from this cause in the older and more thickly settled portions of the State.

Table 31.—Deaths from heart disease in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	3,556	140.6	306	313	346	344	339	270	275	255	240	273	266	329
Upper Peninsula	190	69.0	22	17	19	15	18	9	19	12	15	15	10	19
Northern Counties	317	98.6	27	37	27	24	25	24	28	21	18	22	30	34
Central Counties	582	129.0	50	37	61	49	61	44	42	51	35	58	40	54
Southern Counties	2.467	166.5	207	222	239	256	235	193	186	171	172	178	186	222

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
2,012	1,544	63	80	37	117	94	102	154	267	489	836	1,022	469

*Includes six at unknown age.

DISEASES OF THE RESPIRATORY SYSTEM.

Respiratory diseases in Michigan are considered as among the most important causes of death. The following is a detailed statement showing the number of deaths and death rates per 100,000 of diseases of the respiratory system for the past five years:

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904.*
Total diseases of the respiratory system	3,877	4,377	4,041	3,948	3,997
Bronchitis	802	869	812	801	828
Pneumonia (total)	2,388	2,901	2,637	2,607	2,646
Bronchopneumonia	353	489	502	588	545
Pneumonia	2,035	2,412	2,135	2,019	2,101
Pleurisy	159	89	104	76	57
Other respiratory diseases	528	518	488	464	466
	Death rates per 100,000 population.				
Total diseases of the respiratory system	160.2	178.7	163.2	157.7	158.0
Bronchitis	33.1	35.5	32.8	32.0	32.7
Pneumonia (total)	98.7	118.4	106.5	104.2	104.6
Bronchopneumonia	14.6	20.0	20.3	23.5	21.5
Pneumonia	84.1	98.4	86.2	80.7	83.0
Pleurisy	6.6	3.4	4.2	3.0	2.3
Other respiratory diseases	21.8	21.4	23.9	18.6	18.4

The total given above does not include, however, the entire list of diseases affecting the respiratory system. Pulmonary tuberculosis is a disease chiefly affecting the lungs, and many deaths registered from Influenza are in their onset, course and termination, chiefly confined to the respiratory tract. Fatal cases of measles are frequently the results of pneumonia as a complication, and many deaths from organic heart, liver or kidney disease present terminal pneumonia as the closing incident of life. In order to compare the chief causes of death affecting the respiratory tract, we may consider the total compiled under this group above in connection with deaths from influenza and pulmonary tuberculosis.

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904.*
Total diseases of the respiratory system, influenza and pulmonary tuberculosis	6,395	7,628	6,464	6,583	7,008
Per cent to deaths from all causes	19.7	23.2	20.5	19.8	20.3
Diseases of the respiratory system	3,877	4,377	4,041	3,948	3,997
Influenza	500	1,099	335	480	705
Pulmonary tuberculosis	2,018	2,152	2,088	2,155	2,306
	Death rates per 100,000 population.				
Diseases of the respiratory system, influenza and pulmonary tuberculosis	264.3	311.3	261.0	263.0	277.0
Diseases of the respiratory system	160.2	178.7	163.2	157.7	158.0
Influenza	20.7	44.8	13.5	19.2	27.9
Pulmonary tuberculosis	83.4	87.8	84.3	86.1	91.1

Table 32.—Deaths from bronchitis in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	828	32.7	89	102	107	94	89	47	40	37	39	42	65	77
Upper Peninsula	107	38.8	16	11	18	10	15	6	2	6	4	2	5	12
Northern Counties	120	37.3	12	15	18	18	12	3	5	7	4	4	10	12
Central Counties	119	26.4	18	16	13	8	14	5	12	7	6	7	8	5
Southern Counties	482	32.5	43	60	58	58	48	33	21	17	25	29	42	48

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
436	392	300	376	10	386	11	13	16	15	38	88	143	118

Table 33.—Deaths from bronchopneumonia in Michigan, 1904.

Geographical sections.	Total deaths, 1907.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	545	21.5	82	89	62	56	58	47	14	10	19	22	30	47
Upper Peninsula.....	100	36.3	17	11	16	11	10	9	3	2	4	7	8	2
Northern Counties.....	64	19.9	8	13	7	5	6	3	4	.....	2	1	7	8
Central Counties.....	70	15.5	12	10	6	4	9	10	3	2	1	.....	5	8
Southern Counties.....	311	21.0	45	55	33	36	33	25	4	6	12	14	19	29

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
270	275	247	357	11	368	4	16	9	9	19	33	51	36

Table 34.—Deaths from pneumonia in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,101	83.0	321	384	320	244	202	93	56	33	56	79	111	202
Upper Peninsula.....	206	74.8	17	41	35	31	28	10	6	6	8	6	4	14
Northern Counties.....	242	75.3	37	40	36	22	24	10	6	4	3	16	12	32
Central Counties.....	340	75.4	48	64	63	37	21	16	8	3	12	14	18	36
Southern Counties.....	1,313	88.6	219	239	186	154	129	57	36	20	33	43	77	120

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,164	937	418	623	45	668	106	145	138	178	214	244	251	153

*Includes four at unknown age.

DISEASES OF THE DIGESTIVE SYSTEM.

Diseases affecting the digestive system are of great numerical importance as causes of death. While the titles included are not all of the same precision and definite value, we may consider the movement of these diseases in Michigan for the past five years in the following statement.

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904..*
Total diseases digestive system	5,224	4,354	4,011	4,252	4,266
Diseases of stomach	650	508	565	543	614
Enteritis, under 2 years	2,338	1,768	1,400	1,664	1,504
Enteritis, 2 years and over	611	526	457	451	502
Hernia and obstruction of bowels	243	332	314	287	260
Cirrhosis of liver	190	211	234	254	243
Other liver diseases	404	287	330	270	267
Peritonitis	343	277	246	304	338
Appendicitis	221	263	273	278	336
Other digestive diseases	224	182	192	201	202
	Death rates per 100,000 population.				
Total diseases of digestive system	215.7	177.5	162.0	169.9	168.6
Diseases of stomach	26.8	20.7	22.8	21.7	24.3
Enteritis, under 2 years	96.6	72.1	56.6	66.5	59.4
Enteritis, 2 years and over	25.2	21.5	18.5	18.0	19.8
Hernia and obstruction of bowels	10.0	13.5	12.7	11.5	10.3
Cirrhosis of liver	7.8	8.6	9.5	10.1	9.6
Other liver diseases	16.7	11.7	13.3	10.8	10.6
Peritonitis	14.2	11.3	9.9	12.1	13.4
Appendicitis	9.1	10.7	11.0	11.1	13.2
Other digestive diseases	9.3	7.4	7.8	8.0	8.0

The high death rate from diarrheal diseases of children under two years of age should be considered in connection with the fact that the other diseases given are not limited to any particular age periods, excepting only the complementary statement of diarrhea and enteritis over two years of age. Even on this basis, the mortality from infantile diarrhea is much greater than that of any other disease in this group, and if comparison were made of the deaths of infants from diarrhea per 100,000 population of the same age, it would be found that the rates would be enormously increased.

In Tables 35, 36 and 37 the monthly prevalence, age, sex and geographical distribution are shown for diseases of the stomach, diarrhea and enteritis under two years and diarrhea and enteritis of persons aged two years and over.

Table 35.—Deaths from diseases of stomach in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	614	24.3	79	47	50	59	51	40	53	46	54	42	36	37
Upper Peninsula	41	14.9	7	4	1	3	1	6	6	4	3	3	2	1
Northern Counties	81	25.2	7	9	5	7	7	7	9	9	5	2	3	11
Central Counties	112	24.8	12	7	14	15	9	8	7	5	12	8	9	6
Southern Counties	380	25.6	53	27	30	34	34	19	31	28	34	29	22	39

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
308	306	153	193	3	196	8	22	31	32	67	96	166	56

Table 36.—Deaths from diarrhea and enteritis, under 2 years, in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,504	59.4	49	51	56	52	56	63	211	353	324	173	71	45
Upper Peninsula	259	94.0	11	12	10	10	11	12	27	78	46	22	13	7
Northern Counties	[illegible]	[illegible]	6	6	12	8	8	11	30	46	65	23	14	6
Central Counties	[illegible]	[illegible]	9	10	7	9	4	6	27	41	63	36	9	5
Southern Counties	[illegible]	[illegible]	23	23	27	25	33	34	147	188	150	82	35	27

Deaths by sex, 1904.		Deaths by ages, 1904.											
Males.	Females.	[illegible]	[illegible]	[illegible]	Under [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]								

Table 37.—Deaths from diarrhea and enteritis, over 2 years, in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	502	19.8	26	33	23	32	31	30	31	72	96	66	33	29
Upper Peninsula	42	15.2	1	4	2	6	4	5	1	6	4	4	2	3
Northern Counties	93	28.9	2	8	2	3	4	4	10	14	23	13	6	4
Central Counties	78	17.3	7	4	2	4	3	6	4	12	17	12	4	3
Southern Counties	289	19.5	16	17	17	19	20	15	16	40	52	37	21	19

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
274	228	.....	152	26	178	19	17	16	18	32	58	82	81

*Includes one at unknown age.

DISEASES OF THE GENITO-URINARY SYSTEM.

The principal cause of death in this group is Bright's disease, from which 1,335 deaths were returned for the year 1904, corresponding to a rate of 52.8 per 100,000 population. All other diseases of this class amounted to 674, or 26.6 per 100,000 population. "Bright's disease" includes acute and chronic nephritis, in various form, besides a considerable number of deaths from "uremia" or "uremic poisoning," which terms cannot be regarded as very definite. It would seem from comparison with the immediately preceding years that there has been some tendency to increase in the number of deaths returned as from Bright's disease.

Years.	Deaths from Bright's disease.	Death rates per 100,000 population.
1900	852	35.2
1901	1,050	42.8
1902	1,198	48.4
1903	1,279	51.1
1904	1,335	52.8

In Table 38 may be found a statement of the incidence of mortality from Bright's disease in the different sections of the State and by age and sex for the year.

Table 38.—Deaths from Bright's disease in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	1,335	52.8	128	121	122	136	98	86	117	104	106	91	115	111
Upper Peninsula	93	33.8	8	12	11	7	6	6	12	12	5	3	8	3
Northern Counties	141	43.8	9	12	16	14	8	9	11	10	18	8	15	11
Central Counties	214	47.4	28	19	17	26	14	18	15	15	17	14	14	17
Southern Counties	887	59.9	83	78	78	89	70	53	79	67	66	66	78	80

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
763	572	19	30	9	39	36	66	107	137	213	309	295	132

*Includes one at unknown age.

DEATHS FROM VIOLENCE.

Deaths from accident and all other forms of violence, including suicides and homicides, so far as the returns distinguish the causes of violent deaths, may be found in the following statement for the past five years:

	Deaths.				
	1900.	*1901.*	*1902.*	*1903.*	*1904.*
Total deaths from violence	1,966	2,251	2,149	2,381	2,449
Accidental	1,740	1,978	1,861	2,105	2,107
Suicidal	211	238	244	246	315
Homicidal	15	35	44	30	27
	Death rates per 100,000 population.				
Total deaths from violence	81.2	91.8	86.8	95.1	96.8
Accidental	71.9	80.7	75.2	84.1	83.3
Suicidal	8.7	9.7	9.9	9.8	12.5
Homicidal	0.6	1.4	1.8	1.2	1.1

Table 39.—Deaths from suicide in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	315	12.5	33	21	22	29	25	33	22	31	24	21	33	21
Upper Peninsula	31	11.3	4	....	2	4	3	4	.....	4	3	1	3	3
Northern Counties	30	9.3	6	1	2	2	.....	5	3	3	1	3	3	1
Central Counties	40	8.9	3	5	3	5	2	4	1	7	2	2	4	2
Southern Counties	214	14.4	20	15	15	18	20	20	18	17	18	15	23	15

Deaths by sex, 1906.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
240	75	.....	.....	.....	.....	14	51	54	61	60	39	24	9

*Includes three at unknown age.

Table 40.—Deaths from accidents in Michigan, 1904.

Geographical sections.	Total deaths, 1904.	Death rate per 100,000 population.	Deaths by months, 1904.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State	2,107	83.3	173	156	195	169	162	161	213	190	145	187	186	170
Upper Peninsula	378	137.2	32	36	25	28	23	44	35	38	22	34	26	35
Northern Counties	301	93.6	40	22	19	24	30	25	23	27	21	25	20	25
Central Counties	315	69.8	26	22	37	26	22	24	37	24	14	36	26	21
Southern Counties	1,113	75.1	75	76	114	91	87	68	118	101	88	92	114	89

Deaths by sex, 1904.		Deaths by ages, 1904.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over
1,661	446	192	260	86	446	223	361	231	201	186	152	163	128

*Includes sixteen at unknown age.

The age, sex and geographical distribution of the deaths reported from suicide and accidental violence may be found in Tables 39 and 40. The number of deaths from homicide is so small that it was not thought necessary to present a similar table, but full details may be found in the primary tables under this item in the cla[illegible] of causes of death.

PART III.—MARRIAGES IN MICHIGAN DURING THE YEAR 1904.

There were 24,918 marriages returned to the State Department as having occurred in Michigan during the year 1904. This is a decrease of 1,111 from the number registered for the year 1903, and corresponds to an annual rate of 19.7 persons married per 1,000 population. These figures may be compared in Table 2, page 3, with the corresponding figures for previous years of registration.

SUMMARY OF THE REGISTRATION OF MARRIAGES IN MICHIGAN, 1904.

Some of the most important facts relative to the registration of marriages in Michigan during the year 1904 are herewith presented:

Total number of marriages returned, 1904	24,918
Persons married per 1,000 population	19.7

The above statement does not include 59 marriages performed by Judges of Probate under the act authorizing secret marriages in certain cases. Thirty-five of these secret marriages were at illegal ages according to the general laws of the State and others gave legal sanction to common-law unions, the couples being supposed to have been regularly married by the communities in which they live. A table showing the age distribution of these marriages may be found on page 148.

As to the occurrence of marriages by months, we have:

More than average number	June, August, September, October, November, December
Less than average number	January, February, March, April, May, July
Favorite month for marriages, 1904	June, 2,966 or 28.6 per 1,000
Month of fewest marriages, 1904	February, 1,454 or 14.9 per 1,000

Of the 24,918 marriages, there were with respect to nativity:

Both bridegroom and bride of native birth	16,700, or 67.0 per cent
Both bridegroom and bride of foreign birth	3,134, or 12.6 per cent

Including mixed marriages, that is, marriages in which bridegroom and bride were of different nativities, there were:

Males of native birth married, 1904	18,703, or 75.0 per cent
Males of foreign birth married, 1904	6,202, or 24.9 per cent
Females of native birth married, 1904	19, 741, or 79.2 per cent
Females of foreign birth married, 1904	4,864, or 19.5 per cent

As to age at marriage, the most important groups were:

Males aged 20 to 24 years, both inclusive	9,799, or 39.3 per cent
Males aged 25 to 29 years, both inclusive	7,175, or 28.8 per cent
Females under 20 years of age	6,861, or 27.5 per cent
Females aged 20 to 24 years, both inclusive	10,030, or 40.3 per cent

MARRIAGES AND MARRIAGE RATES BY COUNTIES, 1904.

Besides the primary tables giving a full statement of the marriages returned from each county by months and periods of ages of persons married, together with the statement of nativity of persons married by counties, tables of which appear under the primary tables relating to marriages in this Report, reference may be made to Table 6, which shows the marriage rates for each county for the year. These rates are stated as is the preferable statistical custom, as the number of *persons married* per 1,000 population. In general such comparisons of marriages or persons married to the population are subject to further analysis on the basis of the number of unmarried persons in the population and their age distribution. Such an exceptional rate as that of Berrien county is due to the large and increasing number of marriages of persons who are non-residents of the State. Aside from this exception, the rates of the other counties show considerable uniformity.

MARRIAGES RETURNED BY MONTHS, 1895-1904.

In Table 41 the marriages returned in Michigan for the past ten-years are shown according to the months in which the ceremonies were performed. For 1904 the largest number occurred in June, 2,966, and the least number, 1,454, was in February. The distribution of marriages through the year must be considerably affected, however, by the large number of foreign marriages in Berrien county, most of which occurred during the summer excursion season.

Table 41.—Marriages returned, by months, for the years 1895-1904, with average for the ten-year period.

Years.	Total marriages.	Months of marriages.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1895	18,925	1,389	1,342	1,324	1,536	1,456	1,690	1,367	1,349	1,658	**2,110**	2,036	1,694	1
1896	18,897	1,443	1,271	1,368	1,684	1,361	1,762	1,305	1,238	1,759	1,826	**2,028**	1,846	6
1897	18,579	1,179	1,273	1,426	1,441	1,354	1,828	1,235	1,258	1,719	1,887	**2,044**	1,935	.....
1898	20,138	1,397	1,302	1,400	1,613	1,482	2,056	1,315	1,487	1,793	2,043	**2,264**	1,979	7
1899	21,877	1,343	1,311	1,324	1,765	1,581	2,185	1,681	1,767	2,095	2,323	**2,464**	2,038	.....
1900	23,295	1,717	1,541	1,322	1,765	1,779	2,398	1,800	1,876	2,192	**2,496**	2,332	2,075	2
1901	24,079	1,624	1,372	1,360	1,922	1,779	2,537	1,934	1,897	2,376	**2,642**	2,321	2,211	4
1902	25,653	1,767	1,430	1,571	2,190	1,846	**2,753**	2,009	1,982	2,435	2,572	2,559	2,533	6
1903	26,029	1,720	1,669	1,618	2,080	1,905	**3,072**	1,902	2,082	2,598	2,424	2,520	2,417	22
1904	24,918	1,498	1,454	1,466	2,065	1,847	**2,966**	1,813	2,081	2,460	2,490	2,647	2,125	6
Average 1895-1904	22,242	1,508	1,397	1,418	1,806	1,639	2,325	1,636	1,702	2,109	2,281	2,322	2,085	5

Maxima in bold face.

MARRIAGES BY MONTHS AND QUARTERS, 1904.

The distribution of marriages during the year 1904 is further shown in Table 42, where figures are given, not only for the numbers returned, but also showing the average number per day for each month, the rank on a standard scale and the rate per 1,000 persons married by months for the year. The month of highest rank, considered as to choice for marriage, was June, while March was the least frequently chosen.

Table 42.—Marriages in Michigan, by months and quarters, 1904.

Year and months.	Number of marriages, 1904.		Average number per day.	Rank.	Persons married per 1,000 population.	Ten year period, 1895-1904.		
	By months.	By quarters.				Average number.*	Average daily number.*	Rank.
Year	24,918	24,918	68.3	1,200	19.7	23,412	64.1	1,200
January	1,498	4,418	48.3	71	14.0	1,587	51.2	80
February	1,454		51.9	76	14.9	1,470	52.5	82
March	1,466		46.0	67	13.7	1,493	48.2	75
April	2,065	6,878	68.8	101	19.9	1,901	63.4	99
May	1,847		59.6	87	17.2	1,725	55.6	87
June	2,966		98.9	145	28.6	2,447	81.6	127
July	1,813	6,354	58.5	86	16.9	1,722	55.5	87
August	2,081		67.1	98	19.4	1,792	57.8	90
September	2,460		82.0	120	23.7	2,220	74.0	115
October	2,490	7,262	80.3	118	23.2	2,401	77.5	121
November	2,647		88.2	129	25.2	2,444	81.5	127
December	2,125		68.5	100	19.8	2,195	70.8	110
Unknown	6	6	.....	.....	.....	5	.....	.....
Average	2,077	.....	.....	.....	.....	.....	.....	100

*Number given in Table 41 multiplied by 10.526, the ratio between the population of Michigan in 1904 and the average estimated population of the period 1895-1904. The monthly and daily numbers are, therefore directly comparable for the year and ten-year period.

NATIVITY OF PERSONS MARRIED IN MICHIGAN, 1904.

The facts in regard to the nativity of persons married in Michigan during the year 1904, which may be found in detail in Table III, for each county of the State, are summarized in Table 43, and are compared by means of five-year averages with the corresponding figures for preceding years of registration in Table 44.

Out of the 24,918 marriages during the year, 16,700 were those in which both the bridegroom and bride were of native birth. This corresponds to a percentage of 67.0. The number of foreign born couples was 3,134, or 12.6 per cent. The percentage of native born couples increased somewhat, on the whole, from the earlier years of registration.

Table 43.—By nativity, the number and per cent of brides and bridegrooms returned for the year 1904.

Bridegrooms and brides—nativity specified.		Brides, 1904.			Bridegrooms, 1904.	
		Native born.	Foreign born.	Unknown.	Total of each nativity.	Per cent of each nativity.
Bridegrooms	Native born	16,700	1,726	277	18,703	75.0
	Foreign born	3,032	3,134	36	6,202	24.9
	Unknown	9	4	.....	13	0.1
Brides	Total of each nativity	19,741	4,864	313	24,918	.....
	Per cent of each nativity	79.2	19.5	1.3	.....	100.0

Table 44.—Nativity of marriages in Michigan for the years 1901-1904; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Nativity of marriages.—Per cent of total.				
	Both native born.	Both foreign born.	Foreign groom and native bride.	Native groom and foreign bride.	One or both unknown.
Average, 1871-75	59.7	13.5	12.3	7.0	3.6
Average, 1876-80	63.2	14.0	13.3	7.4	2.2
Average, 1881-85	58.2	19.4	12.4	8.7	1.3
Average, 1886-90	56.4	20.3	13.2	8.1	2.0
Average, 1891-95	58.0	18.2	13.2	7.9	2.6
Average, 1896-1900	63.1	14.0	13.5	8.0	2.3
Year 1901	64.8	12.9	12.8	7.9	1.6
Year 1902	65.0	12.9	13.1	7.6	1.3
Year 1903	65.8	12.8	12.4	7.4	1.2
Year 1904	67.0	12.6	12.2	6.9	1.3

AGES OF PERSONS MARRIED IN MICHIGAN, 1904.

Primary Table II shows the age distribution of persons married in Michigan by counties during the year, and Table IV shows the various age combinations of persons married by sex: that is to say, how many males under 20 married females of the same age period; how many married females aged 20-24 years, 25-29 years, and so on in order. The group of ages at which the greatest number of marriages occurred is that in which both the males and females were aged from 20-24 years, the number of marriages at these ages being 4,866. Next in order comes the group of males aged 20-24 years and females under 20, of which the number was 4,374, and then the group of males aged 25-29 years, with females aged 20-24 years, numbering 3,565. These three groups include 12,805 marriages or 51.3 per cent of the total number recorded. The proportions of males and females married at each

age period may be seen in Tables 45 and 46, respectively, with comparisons of six quinquennial periods.

In 1904 the favorite marriage age for males was the period 20-24 years, at which 39.3 per cent of males were married.

With females the proportion of marriages under twenty years of age is somewhat less than it was during the earlier years of registration, but slightly exceeds the three years immediately preceding 1904.

Table 45.—Percentage of males married in Michigan at specified periods of age for the year 1904; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Ages of males married, 1871-1904.														
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.
Average, 1871-75	2.6	41.2	29.5	10.6	5.5	3.3	2.3	1.7	1.0	0.8	0.5	0.3	0.1	....	0.6
Average, 1876-80	2.6	40.8	29.8	10.8	5.6	3.2	2.2	1.6	1.1	0.8	0.5	0.3	....	....	0.5
Average, 1881-85	2.3	39.5	30.7	11.4	5.7	3.2	2.2	1.6	1.0	0.9	0.5	0.3	....	....	0.4
Average, 1886-90	2.1	37.7	32.4	12.2	5.7	3.0	2.4	1.5	1.1	0.8	0.6	0.3	....	....	0.1
Average, 1891-95	1.9	38.1	30.8	12.7	6.0	3.2	2.3	1.7	1.2	0.9	0.7	0.3	....	....	.....
Average, 1896-1900	1.8	37.7	30.6	12.5	6.6	3.4	2.5	1.7	1.2	0.9	0.6	0.3	0.1	....	.....
Year 1901	1.9	37.2	30.3	13.0	6.6	3.8	2.4	1.6	1.2	0.9	0.6	0.3	....	....	.....
Year 1902	1.9	38.3	30.2	12.0	6.6	3.7	2.4	1.7	1.2	0.8	0.6	0.2	0.2	....	.....
Year 1903	2.1	39.0	29.7	11.9	6.4	3.6	2.3	1.7	1.3	0.8	0.6	0.3	0.1	....	.....
Year 1904	2.2	39.3	28.8	11.9	6.5	3.7	2.6	1.7	1.3	1.0	0.6	0.2	0.1	....	.....

Table 46.—Percentage of females married in Michigan at specified periods of age for the year 1904; compared with averages for six quinquennial periods, 1871-1900.

Years and periods averaged.	Ages of females married, 1871-1904.														
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unk.
Average, 1871-75	36.9	36.5	12.7	5.0	3.0	2.0	1.3	0.8	0.5	0.3	0.2	....	....	....	0.9
Average, 1876-80	37.4	37.4	11.7	4.7	3.1	1.0	1.3	0.8	0.5	0.3	0.2	....	....	....	0.7
Average, 1881-85	33.8	38.7	13.7	4.9	3.1	1.9	1.3	0.8	0.5	0.3	0.2	0.1	....	....	0.6
Average, 1886-90	32.3	39.5	14.2	5.2	2.9	1.9	1.3	0.9	0.6	0.4	0.2	0.1	....	....	0.2
Average, 1891-95	30.3	40.6	14.3	5.3	3.1	2.0	1.4	1.0	0.6	0.5	0.2	0.1	....	....	.....
Average, 1896-1900	28.1	41.3	15.5	5.7	3.4	2.0	1.5	1.0	0.7	0.5	0.2	0.1	....	....	.....
Year 1901	27.2	40.7	16.5	6.2	3.4	2.1	1.4	0.9	0.6	0.4	0.3	0.1	....	....	.....
Year 1902	27.3	40.4	16.4	6.0	3.5	2.3	1.5	1.0	0.7	0.4	0.2	0.1	....	....	.....
Year 1903	27.0	40.6	18.6	5.9	3.5	2.2	1.5	1.0	0.6	0.5	0.2	0.1	....	....	.....
Year 1904	27.5	40.3	16.1	6.1	3.7	2.1	1.7	1.1	0.6	0.5	0.3	0.1	....	....	.....

PART IV.—DIVORCES IN MICHIGAN DURING THE YEAR 1904.

There were 2,768 divorces granted in Michigan during the year 1904, according to the returns of the county clerks to the Secretary of State. This number, as shown in Table 6, corresponds to a rate of 2.2 persons divorced per 1,000 population which, it will be noted, is a trifle over one-tenth of the marriage rate for the year. In other words, one divorce was granted to nearly every ten marriages in the State during the year. It should be observed, however, that the marriages are based on the unmarried population at marriageable ages, while the divorces are drawn from the number of married couples in Michigan, hence there can be no direct comparison between the frequency of marriages and divorce considered with reference to the population capable of contributing to these events without further analysis of the figures.

CHILDREN AFFECTED BY DISSOLUTION OF FAMILIES, 1904.

By referring to Primary Table II, which however, is presented in condensed form in Table 47 herewith, it will be noted that of the 2,768 divorces granted during the year, 769, or 27.8 per cent, were granted on the application of the husband, and 1,999, or 72.2 per cent, on application of the wife.

It is noticeable that in 1,344 cases of divorces granted during the year, or nearly fifty per cent of the total number there were no children in the families broken up by divorce.

Table 47.—Children affected by divorces in Michigan during the year 1904, showing the relation of sex of complainant to size of family.

Complainants.	Total divorces granted, 1904.	Number of children in family.													
		None.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	Unk.
Total divorces.....	2,768	1,344	647	352	183	85	58	38	10	6	2	2	2	1	38
Husbands	769	433	151	77	46	19	11	11	1	2	2	0	1	1	14
Wives.....	1,999	911	496	275	137	66	47	27	9	4	0	2	1	0	24
Per cent of husbands.....	27.8	32.2	23.3	21.9	25.1	22.4	19.0	29.0	10.0	33.3	100.0	.....	50.0	100.0	36.8
Per cent of wives.....	72.2	67.8	76.7	78.1	74.9	77.6	81.0	71.0	90.0	66.7	.....	100.0	50.0	.....	63.2
Total number of children affected.....	2,948	0	647	704	549	340	290	228	70	48	18	20	22	12	.....

The total number of children affected by divorces granted was 2,948 or an average of over one child to each divorce granted in the State.

DURATION OF MARRIAGE PRIOR TO DIVORCE, 1904.

According to Table 48 there were 885 divorces granted in which the couples had been married less than five years; then follow the group 5-9 years, inclusive, 719; 10-14 years, 449; 15-19 years, 301. The number of divorces granted decreases very rapidly from this point until the period 45-49 years is reached, which shows only two divorces. According to the returns, there were no divorces granted after this period.

Table 48.—Duration of marriages terminated by divorces granted in Michigan during 1904, showing relation of sex of complainant to lapse of time before divorce.

Complainants.	Divorces granted, 1904.	Duration of marriage before divorce.															
		Years under five.					Five-year period.										
		Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	Unk.
Total divorces...	2,768	77	173	231	231	173	885	719	449	301	189	119	54	27	13	2	10
Husbands.....	769	20	54	66	73	51	264	201	115	78	43	35	16	7	5	2	3
Wives.....	1,999	57	119	165	158	122	621	518	334	223	146	84	38	20	8	.....	7
Per cent of husbands.	27.8	26.0	31.2	28.6	31.6	29.5	29.8	28.0	25.6	25.9	22.8	29.4	29.4	25.9	38.5	100.0	30.0
Per cent of wives...	72.2	74.0	68.8	71.4	68.4	70.5	70.2	72.0	74.4	74.1	77.2	70.6	70.6	74.1	61.5	.....	70.0

CAUSES OF DIVORCES GRANTED IN MICHIGAN, 1904.

According to the returns, as shown in Table 49, "Cruelty" was the leading cause, as usual, for divorces, or 37.8 per cent of the total number granted, being attributable to it as compared with 35.5 per cent for 1903. Of this number, 361 were granted on complaint of the husband, and 686 on complaint of the wife. The next in order as a leading cause for divorce was "Desertion," with 575 divorces, 284 being granted on complaint of the husband and 291 on complaint of the wife. "Non-support" would follow next in order, there being 359 divorces from this cause, 357 being on complaint of the wife and 2 on complaint of the husband. "Drunkenness" shows 46 divorces granted, 7 being on complaint of the husband and 39 on complaint of the wife.

Table 49.—Principal causes of divorce in Michigan during the year 1904, showing by sex the percentage of complainants from each cause.

Causes alleged.	Number of divorces granted, 1904.			Per cent of total.		
	Total.	To husbands.	To wives.	Total.	To husbands.	To wives.
All causes	2,768	769	1,999	100.0	27.8	72.2
Adultery	90	58	32	3.3	7.5	1.6
Adultery (sole cause alleged)	65	43	22	2.3	5.6	1.1
Adultery (with other causes)	25	15	10	9.0	3.3	0.5
Cruelty	1,543	407	1,036	55.7	20.1	51.8
Cruelty (sole cause alleged)	1,047	361	686	37.8	46.9	34.3
Cruelty (with other causes)	496	46	350	14.3	6.0	17.5
Desertion	763	321	442	27.6	41.7	22.1
Desertion (sole cause alleged)	575	284	291	20.8	36.9	14.6
Desertion (with other causes)	188	37	151	6.8	4.8	7.6
Drunkenness	176	10	166	6.4	1.3	8.3
Drunkenness (sole cause alleged)	46	7	39	1.7	0.9	2.0
Drunkenness (with other causes)	130	3	127	4.7	0.4	6.4
Non-support	834	11	823	3.0	1.4	41.2
Non-support (sole cause alleged)	359	2	357	1.3	0.3	17.9
Non-support (with other causes)	475	9	466	1.7	1.2	23.3

PART V.—BIRTHS IN MICHIGAN DURING THE YEAR 1904.

The number of births in Michigan during the year 1904, according to the returns received from the county clerks, was 47,085, an increase of 1,065 births, as compared with the returns of the preceding year. The birth rate for the year 1904 was 18.6 per 1,000 population.

SUMMARY OF THE ENUMERATION OF BIRTHS FOR THE YEAR 1904.

The following statements include the more important features of the enumeration of births in Michigan for the year 1904;

Total number of births returned, 1904	47,085
Birth rate per 1,000 population	18.6

Exclusive of stillbirths, there were:

Children born alive, 1904	46,512
Children born alive per 1,000 population	18.4

Compared with the previous year, we have:

Increase of births for 1904 (47,085) over 1903 (46,020)	1,065

The following is the distribution of births returned according to sex:

Male children born, 1904	24,531
Female children born, 1904	22,977
Males born per 100 births of females	107

The parent nativity of children born in 1904, exclusive of births to parents of different nativities, may be stated:

Born to parents both of native birth, 1904	23,946
Born of parents both of foreign birth, 1904	13,412

Of the 47,085 children born in 1904, according to the returns, there were:

Stillbirths (males, 321, females, 252)	573
Stillbirth rate per 1,000 population	0.2
Stillbirths per 1,000 living births	12.3

Plural births are of interest. Including four sets of triplets, there were:

Twin children (males, 459; females, 437)	896

The reported rate of illegitimacy is low for Michigan. In 1904 there were returned:

Illegitimate births (males, 311; females, 251)	562
Illegitimate births per 1,000 births, 1904	11.9

Table 50.—Births returned, by months, for the years 1895-1904 inclusive, with average for the ten-year period. (Stillbirths included).

Years.	Total for year.	Months.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1895	46,273	*3,204*	*3,240*	3,827	4,742	4,022	3,745	3,989	**4,346**	4,214	3,997	3,750	4,159	38
1896	46,302	3,322	*3,184*	3,781	3,862	3,918	3,697	3,879	**4,405**	4,208	3,994	3,842	4,155	55
1897	43,688	3,295	*3,207*	3,777	3,654	3,794	3,423	3,739	**3,863**	3,853	3,717	3,571	3,767	28
1898	43,462	*3,043*	3,173	3,856	3,534	3,724	3,554	3,612	3,894	3,807	3,801	3,492	**3,920**	52
1899	41,818	*3,039*	3,134	3,881	3,652	3,494	3,199	3,633	**3,785**	3,758	3,454	3,262	3,636	31
1900	43,699	*3,069*	3,105	3,821	3,930	3,755	3,501	3,777	**3,983**	3,880	3,658	3,415	3,762	43
1901	43,221	*2,974*	3,087	3,782	3,682	3,594	3,492	3,745	3,926	**3,953**	3,633	3,438	3,881	34
1902	45,546	3,220	*3,200*	3,881	3,667	3,888	3,786	4,065	**4,154**	3,963	3,893	3,741	4,049	39
1903	46,020	*3,227*	3,239	3,796	3,752	4,042	3,841	3,848	**4,139**	4,046	3,976	3,882	4,121	61
1904	47,508	*3,310*	3,509	3,961	3,885	4,102	3,913	4,079	**4,312**	4,295	4,254	3,732	4,125	31
Aver'e 1895-1904	44,754	*3,176*	3,208	3,816	3,836	3,833	3,615	3,837	4,086	3,998	3,838	3,613	3,958	41

Maxima in **bold face**; minima in *italics*.

Table 51.—Parent nativity of children born in Michigan, 1904. (Stillbirths included).

Nativity of parents of children born, 1904.	Number of births, 1904.			Per cent of total.		
	Total.	Males.	Females.	Total.	Males.	Females.
All nativities	47,508	24,531	22,977	100.0	100.0	100.0
Both parents native born	23,946	12,300	11,646	50.4	50.1	50.7
Both parents foreign born	13,412	6,927	6,485	28.2	28.2	28.2
Foreign father and native mother	5,830	3,041	2,789	12.3	12.3	12.1
Foreign mother and native father	3,297	1,708	1,589	6.9	7.0	6.9
Unknown mother, father native	86	41	45	0.2	0.2	0.2
Unknown mother, father foreign	35	15	20	0.1	0.1	0.1
Unknown father, mother native	163	86	77	0.3	0.4	0.3
Unknown father, mother foreign	57	35	22	0.1	0.1	0.1
Both unknown	682	378	304	1.4	1.5	1.3
One or both native	33,322	17,176	16,146	70.1	70.0	70.3
One or both foreign	22,631	11,726	10,905	47.6	47.8	47.5

Table 52.—Parent nativity of children born in Michigan for each of the years 1895-1904 inclusive; with average for the ten-year period. (Stillbirths included.)

Years.	Nativity of parents of children,—per cent of total.												
	Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	One or both unknown.	Father—			Mother—			One or both parents native born.*	One or both parents foreign born.*
						Native.	Foreign.	Unknown.	Native.	Foreign.	Unknown.		
1895	43.4	35.5	11.3	6.8	3.0	50.7	47.0	2.2	55.3	42.5	2.2	62.6	54.1
1896	43.0	35.5	11.8	6.8	3.0	50.0	47.5	2.5	55.3	42.5	2.3	62.3	54.5
1897	43.6	34.3	11.7	7.2	3.0	51.2	46.2	2.6	55.9	41.8	2.4	63.3	53.6
1898	44.8	32.9	12.0	7.3	3.0	52.4	45.2	2.4	57.5	40.6	2.0	65.1	52.8
1899	44.3	33.4	12.0	7.5	2.9	52.0	45.6	2.4	56.8	41.0	2.2	64.5	53.2
1900	45.6	32.5	12.1	7.3	2.5	53.2	44.7	2.0	58.1	39.9	2.0	65.7	52.0
1901	47.1	31.4	12.2	7.4	2.0	54.7	43.7	1.6	59.7	38.9	1.5	67.3	51.2
1902	48.3	30.6	12.1	7.1	1.9	55.7	42.9	1.4	60.8	37.8	1.4	69.1	51.0
1903	48.9	29.6	12.2	7.0	2.3	56.1	42.0	1.9	61.5	36.8	1.7	70.1	50.4
1904	50.4	28.2	12.3	6.9	1.4	57.5	40.6	1.9	63.0	35.3	1.7	71.0	49.1
Average, 1895-1904	45.9	32.4	12.0	7.1	2.5	53.4	44.4	2.1	58.4	39.7	1.9	66.2	52.2

*Including cases where nativity of either parent is unknown.

Table 53.—Parent nativity of children born in Michigan during the year 1904, compared with averages for six quinquennial periods, 1871-1900. (Stillbirths included.)

Years and periods averaged.	Nativity of parents.—Per cent of total.				
	Both native born.	Both foreign born.	Foreign father and native mother.	Native father and foreign mother.	One or both unknown.
Average, 1871-75	44.3	34.3	9.5	5.2	6.2
Average, 1876-80	46.0	34.1	11.0	5.7	3.1
Average, 1881-85	43.7	35.5	11.5	6.2	2.8
Average, 1886-90	42.7	37.6	10.7	6.2	2.1
Average, 1891-95	41.5	37.8	11.1	6.5	3.1
Average, 1896-1900	44.3	33.7	11.9	7.2	2.9
Year 1901	47.1	31.4	12.2	7.4	1.1
Year 1902	48.3	34.0	12.1	7.1	1.9
Year 1903	48.9	29.6	12.2	7.0	2.3
Year 1904	50.4	28.2	12.3	6.9	1.4

CLIMATOLOGICAL DATA FOR MICHIGAN, 1904.

The following data relating to the meteorological conditions in Michigan for the year 1904 have been kindly supplied to this Department by Mr. C. F. Schneider, Director of the Michigan State Weather Service, in co-operation with the Climate and Crop Service of the Weather Bureau, U. S. Department of Agriculture. Fuller details may be found in the Annual Report of the State Weather Service for the year, but the data herewith presented will be found convenient for comparing with the mortality statistics contained in this Report.

In Table 54 the temperature and amount of precipitation for the year are compared with the years 1888–1903, both inclusive, this period extending back to the formation of the Weather Service of the State. The average of the statistics for these years constitutes the "normal" which is used as a basis of reference in making comparisons of the meteorology of the year.

REVIEW OF THE YEAR 1904.

Annual Temperature.—The mean annual temperature for 1904 was 41.9 degrees, or 2.7 degrees less than the normal. February with a mean of 9.0 degrees, was the coldest month of the year and July, with a mean of 66.5 degrees, the warmest month.

The year is by far the coldest one on record since observations have been generally taken throughout the State in 1888. Previous to the year 1904 the lowest annual temperature was 43.6 degrees in 1893. Wide departures from the normal occurred during January, February, April and December. The winter of 1903-1904, especially January and February, 1904, will long be remembered as one of the most severe ever experienced in Michigan. In fact, there were only two months during the entire calendar year of 1904 when the monthly temperature exceeded the normal, viz.: May and November.

The maximum temperature for the year, 99 degrees, occurred on July 18, at Gladwin; the lowest, —41 degrees, on January 29, at Humboldt. The extreme maximum temperature during any year since the beginning of observations was 108 degrees on July 15, 1901, at Houghton; the extreme minimum temperature was —49 degrees, on February 7, 1899, at Humboldt.

Annual Precipitation.—The annual total precipitation was 29.73 inches, which is 3.18 inches less than the normal. The deficiency in precipitation was greatest in the southern counties, 4.01 inches, and least in the northern counties, 2.25 inches. The month of November was exceptionally dry, especially in the southern counties.

The total snowfall for the year, 67.7 inches, is more than usually falls and develops the fact that the winter precipitation was slightly more than normal, while the spring, summer and fall together have enough less than the normal to bring the average for the year below normal. The greatest snowfall, 16.1 inches, occurred during January, although depths closely approximating 14.0 inches occurred in February, March and December.

The latter part of M[illegible]as marked by extensive and disastrous floods

in nearly every county of the central and southern part of the Lower Peninsula. Creeks and rivers overflowed their banks and did great damage to property. These floods were due principally to two conditions; first, the very rapid melting of the entire winter's snowfall, largely augmented by heavy rains, and second, the heavy frost in the ground, which prevented the soil from taking up any appreciable amount of moisture and forcing its rapid congestion into creeks and rivers. The depth of the flood crest in the larger rivers was unprecedented.

Pressure.—The annual barometric pressure for the State, reduced to 32 degrees Fahr. and standard gravity and corrected for elevation, was 30.04 inches. The barometer averaged highest, 30.20 inches, during February and lowest, 29.95 inches, during May.

The highest reading of the year, 30.84 inches, occurred at Port Huron on January 18, the lowest reading, 28.93 inches, occurred at Alpena on December 27; this yields an annual range of 1.89 inches. The average range of pressure for the State for the year was 1.02 inches. The greatest monthly range was 1.60 inches in December; the least was 0.74 of an inch in June. The greatest average monthly range was 1.44 inches in January, and the least was 0.64 of an inch in July.

Wind Movement.—The average monthly wind movement for the year was 7,135 and the average hourly velocity for the year was 9.7 miles. The maximum velocity for the year was 58 miles from the west on September 18, at Grand Rapids. The greatest monthly average wind movement was 8,240 miles during March. The average hourly velocity during March was 11.1 miles and during June 8.0 miles.

January.—The mean temperature was 13.0 degrees, or 7.9 degrees below the normal. The highest temperature was 42 degrees on the 20th at Detroit and Hagar, and on the 21st at Birmingham; the lowest temperature was —41 degrees at Humboldt on the 29th.

The average total precipitation was 2.06 inches, or 0.09 of an inch below the normal. The greatest monthly amount, was 5.37 inches, at Dundee; the least monthly amount was 0.35 of an inch at Menominee.

February.—The mean temperature was 9.0 degrees, or 10.7 degrees below the normal. The highest temperature was 50 degrees on the 7th at Berrien Springs, Mt. Clemens and South Haven; the lowest temperature was —40 degrees on the 17th at Omer.

The average total precipitation was 2.03 inches, or 0.02 of an inch above the normal. The greatest monthly amount, was 4.70 inches, at Manistee; the least monthly amount was 0.35 of an inch at Baldwin.

March.—The mean temperature was 28.1 degrees or —0.5 of a degree below the normal. The highest temperature was 70 degrees on the 31st at Adrian; the lowest temperature was —31 degrees on the 4th at Humboldt.

The average total precipitation was 3.10 inches, or 1.00 inch above the normal. The greatest monthly amount was 7.32 inches, at South Haven; the least monthly amount was 0.42 of an inch at Mancelona.

April.—The mean temperature was 38.1 degrees, or 5.3 degrees below the normal. The highest temperature was 83 degrees on the 23rd at Berrien Springs; the lowest temperature was —8 degrees on the 3rd at Thomastown.

The average total precipitation was 2.10 inches, or 0.15 of an inch below the normal. The greatest monthly amount was 4.71 inches at Arbela; the least monthly amount was 0.49 of an inch at Chatham.

May.—The mean temperature was 55.0 degrees, or 0.8 of a degree above the normal. The highest temperature was 90 degrees on the 25th at

Plymouth, Bloomingdale, Eloise, Dundee and Grape; the lowest temperature was 12 degrees, at Mancelona, on the 11th.

The average total precipitation was 3.87 inches, or 0.10 of an inch above the normal. The greatest monthly amount was 11.09 inches at Petoskey; the least monthly amount was 1.05 inches at South Haven.

June.—The mean temperature was 63.6 degrees, or 0.9 of a degree below the normal. The highest temperature was 94 degrees, on the 24th at Grayling; the lowest temperature was 21 degrees on the 16th, at Humboldt.

The average precipitation was 1.88 inches, or 1.66 inches below the normal. The greatest monthly amount, 5.68 inches, occurred at Harrisville; the least monthly amount, 0.35 of an inch, occurred at Owosso.

July.—The mean temperature was 66.5 degrees, or 1.8 degrees below the normal. The highest temperature was 99 degrees, on the 18th at Gladwin; the lowest was 32 degrees at Humboldt, on the 7th and 8th, and at Wetmore on the 7th.

The average precipitation was 2.97 inches, or 0.34 of an inch below the normal. The greatest monthly amount, 8.27 inches, occurred at Wasepi; the least monthly amount was 1.04 inches at Alpena.

August.—The mean temperature was 63.5 degrees, or 2.5 degrees below the normal. The highest temperature was 91 degrees, on the 14th, at Arbela; the lowest temperature was 25 degrees on the 10th at Wetmore; and on the 30th at Omer.

The average precipitation was 2.81 inches, or 0.34 of an inch above the normal. The greatest monthly amount was 7.95 inches, at Petoskey; the least monthly amount was 1.05 inches, at Lapeer.

September.—The mean temperature was 59.2 degrees, or 0.8 of a degree below the normal. The highest temperature was 91 degrees, at Plymouth, on the 11th; the lowest temperature was 18 degrees on the 22nd at Roscommon.

The average total precipitation was 3.68 inches, or 0.56 of an inch above the normal. The greatest monthly amount was 9.15 inches, at Mackinac Island, the least monthly amount was 1.16 inches, at Ludington.

October.—The mean temperature was 47.4 degrees, or 1.1 degree below the normal. The highest temperature was 88 degrees, on the 10th at Coldwater; the lowest temperature was 15 degrees on the 23rd at Humboldt.

The average total precipitation was 2.94 inches, or 0.10 of an inch below the normal. The greatest monthly amount was 6.95 inches, at Mackinac Island; the least monthly amount was 0.65 inches at Adrian.

November.—The mean temperature was 37.7 degrees or 2.1 degrees above the normal. The highest temperature was 73 degrees, on the 3rd at Marquette; the lowest temperature was —6 degrees on the 28th at Roscommon.

The average precipitation was 0.45 of an inch, or 2.33 inches below the normal. The greatest monthly amount was 2.06 inches, at Houghton; the least monthly amount was 0.00 at Ovid and Birmingham.

December.—The mean temperature was 21.2 degrees, or 4.3 degrees below the normal. The highest temperature was 62 degrees at Charlotte on the 23rd; the lowest temperature was —26 degrees, at Humboldt on the 15th.

The average total precipitation was 1.84 inches, or 0.53 of an inch below the normal. The greatest monthly amount, 4.57 inches, at Eagle Harbor; the least monthly amount was 0.62 of an inch at Birmingham.

Table 54.—Temperature and amount of precipitation in Michigan during the year 1904 compared with previous years.

Year.	Temperature.					Average yearly precipitation (inches).	Average total snowfall (inches).
	Yearly mean.	Highest.	Date.	Lowest.	Date.		
1888	43.8	102	June 17	—36	January 21 February 9	28.68	67.9
1889	45.3	102	July 8	—33	February 24	26.86	57.7
1890	45.6	104	August 3	—35	March 6	34.23	44.6
1891	46.2	103	August 8	—28	February 4	30.65	42.8
1892	44.6	101	July 26	—26	January 20	33.69	50.1
1893	43.6	100	June 20 July 13 August 10	—31	January 15	34.55	81.2
1894	46.8	102	July 27	—31	February 24	28.00	45.2
1895	44.6	101	July 7	—38	February 6	26.90	71.4
1896	45.8	100	June 6	—29	February 17	31.74	42.8
1897	44.9	104	July 19	—43	February 26	31.23	57.0
1898	46.0	101	July 24 August 23	—35	December 31	32.29	61.5
1899	44.9	100	July 24 August 19, 20	—49	February 7	28.99	48.8
1900	46.0	100	August 4, 5	—38	February, 25, 26	32.31	59.8
1901	44.6	108	July 15	—28	January 3 December 21	28.06	60.6
1902	45.2	98	July 7, 24	—31	January 28	32.53	36.0
1903	44.2	99	July 3	—39	February 16	32.72	59.5
Normal	45.1	102	July 21	—34	February 3	30.84	55.4
1904	41.9	99	July 18	—41	January 29	29.73	67.7

Table 55.—Relative humidity, wind movement and atmospheric pressure in Michigan during the year 1904.

Year and months, 1904.	Mean relative humidity (per cent).	Wind movement (in miles).			Atmospheric pressure reduced to 32° and sea level.					
		Average movement.	Average hourly velocity.	Highest velocity with direction from and date.	Mean.	Highest.	Date.	Lowest.	Date.	Absolute range.
Year 1904	78.3	7,135	9.7	58-w-Sept. 18	30.04	30.84	Jan. 18	28.93	Dec. 27	1.89
January	85.6	7,134	9.6	46-s-9	30.08	30.84	18	29.25	7	1.59
February	86.6	7,099	10.2	45-w-24	30.20	30.83	10	29.30	7	1.53
March	83.6	8,240	11.1	52-sw-24	30.05	30.59	4	29.47	2	1.12
April	72.8	7,907	11.0	42-sw-24	30.05	30.63	3	29.32	10	1.31
May	70.7	7,026	9.4	52-w-22	29.95	30.29	3	29.29	9	1.10
June	73.4	5,761	8.0	47-w-29	29.99	30.33	27	29.59	5	0.74
July	72.5	6,375	8.6	44-nw-18	29.98	30.34	3	29.58	4	0.76
August	73.3	6,719	9.0	50-w-25	30.03	30.40	23	29.50	25	0.90
September	81.3	6,868	9.5	58-w-18	30.05	30.67	22	29.62	10	1.05
October	81.0	6,944	9.3	42. w-10 sw-24	30.06	30.57	6	29.28	21	1.29
November	77.7	7,416	10.3	48-n-13	30.02	30.52	10	29.37	29	1.15
December	81.2	8,136	10.9	55-sw-28	30.02	30.53	24	28.93	27	1.60

Table 56.—Temperature, precipitation, sky and direction of wind in Michigan for the State and geographical sections, 1904.

Year and months by geographical sections.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.			Prevailing direction of the wind.
	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days with precipitation.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Year 1904—STATE.....	41.9	−2.7	99	July 18...	−41	Jan. 29...	59	29.73	−3.18	4.10	67.7	100	134	95	137	sw
January.....	13.0	−7.9	42	2, 20, 21	−41	29	53	2.06	−0.09	1.51	16.1	10	8	6	17	n w
February.....	9.0	−10.7	50	7	−40	17	55	2.03	+0.02	2.05	14.4	9	11	7	11	n w
March.....	28.1	−0.5	70	31	−31	4	50	3.10	+1.00	2.20	13.2	11	9	7	15	n w
April.....	38.1	−5.3	83	23	−8	3	55	2.10	−0.15	1.75	6.3	8	12	7	11	n w
May.....	55.0	+0.8	90	25	12	11	59	3.87	+0.10	4.10	0.2	10	12	8	11	s w
June.....	63.6	−0.9	97	4	21	16	51	1.88	−1.66	2.70	0	7	14	9	7	s w
July.....	66.5	−1.8	99	18	32	7, 8	49	2.97	−0.34	2.55	0	8	14	10	7	s w
August.....	63.5	−2.5	91	14	24	25	55	2.81	+0.34	3.08	0	7	15	9	7	s w
September.....	59.2	−0.7	91	11	18	22	52	3.68	+0.56	3.00	T	9	11	9	10	s w
October.....	47.4	−1.1	88	10	15	23	48	2.94	−0.10	3.13	0.6	9	10	8	13	s w
November.....	37.7	+2.1	73	3	−6	28	45	0.45	−2.33	0.97	3.4	4	12	8	10	n w
December.....	21.2	−4.3	62	23	−26	15	52	1.84	−0.53	1.80	13.5	8	6	7	18	s w
Year, 1904—I. UPPER PEN'LA..	37.3	−1.9	94	July 16, 18.	−41	Jan. 29...	53	32.33	−2.25	3.00	89.2	113	154	73	139	n w
January.....	9.1	−5.3	38	7	−41	29	53	1.51	−0.61	0.80	16.0	9	10	6	15	n w
February.....	3.1	−11.3	43	28	−39	1	52	1.42	−0.25	0.80	14.7	8	14	6	9	n w
March.....	21.8	+0.4	48	1, 7, 25	−31	4	50	2.78	+0.91	2.10	18.5	10	15	6	10	ne, nw
April.....	33.5	−2.6	73	23, 28	−8	3	51	1.54	−0.56	1.03	4.1	7	16	5	9	n w
May.....	49.3	+1.7	85	29	13	9	52	5.32	+1.28	2.50	0.9	12	14	6	11	w
June.....	59.0	−0.2	88	24	21	16	51	2.19	−1.53	1.40	0	8	15	6	9	w
July.....	61.8	−1.6	94	16, 18	32	7, 8	49	2.56	−0.24	2.00	0	9	17	8	6	w
August.....	59.7	−2.4	87	14, 28	25	10	51	3.23	−0.43	2.60	0	8	15	7	9	sw, nw
September.....	53.6	−2.0	85	10	29	21, 22	41	4.86	+0.24	3.00	T	12	11	7	12	n w
October.....	44.0	0.0	76	17	15	23	42	3.49	+0.44	2.05	1.4	11	8	6	17	n w
November.....	35.5	+4.8	73	3	0	30	45	0.99	−1.38	0.97	9.4	7	12	5	13	n w
December.....	17.7	−3.9	50	30, 31	−26	15	52	2.44	−0.12	1.30	24.2	12	7	5	19	s w
Year, 1904—II. NORTHERN CO'S	40.5	−2.8	99	July 18...	−40	Feb. 17...	55	27.63	−2.36	3.02	68.3	86	142	81	143	n w
January.....	11.8	−7.6	42	9	−32	25	41	1.12	−1.30	0.60	11.1	7	7	6	18	n w
February.....	5.2	−12.7	44	28	−40	17	55	2.23	+0.63	1.20	21.3	9	11	6	12	n w
March.....	25.7	−0.9	55	28	−22	4	50	2.13	−0.07	1.08	8.8	9	11	5	15	n w
April.....	37.4	−5.2	80	23	4	16	50	2.34	+0.48	1.50	9.0	8	14	5	11	n w
May.....	53.4	+0.7	85	25	12	11	48	4.26	+2.04	3.02	T	9	13	6	12	n w
June.....	63.1	+0.1	94	24	30	22	51	2.08	−0.85	2.70	0	5	17	7	6	s w
July.....	65.5	−1.6	99	18	34	4	47	2.90	−0.38	2.55	0	7	15	10	6	s w
August.....	62.0	−2.2	89	24	25	30	48	2.41	−0.46	1.60	0	7	15	8	8	n w
September.....	58.3	−0.6	86	2	18	22	52	3.32	+0.58	2.30	0	6	11	7	12	s w
October.....	46.5	−1.2	80	17, 18	17	31	48	2.51	−0.88	1.52	1.0	8	10	8	13	n w
November.....	36.5	+2.0	71	2	−6	28	38	0.52	−1.97	0.62	3.4	4	12	7	11	n w
December.....	20.7	−4.2	49	31	−22	13	44	1.81	−0.18	1.20	13.7	7	6	6	19	n w

Table 56.—Concluded.—Temperature, precipitation, sky and direction of wind in Michigan for the State and geographical sections, 1904.

Year and months by geographical sections.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.			Prevailing direction of the wind.
	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days with precipitation.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Year, 1904—III Central Co's.	43.3	−2.8	97	July 17...	−26	Feb. 16, 17.	48	28.82	−3.13	4.10	66.0	93	112	125	129	s w
January	13.8	−7.8	40	20	−25	25	42	2.11	+0.15	1.26	19.3	10	6	9	16	sw, nw
February	10.7	−11.2	51	28	−26	16, 17	48	2.26	+0.10	1.10	16.5	10	10	7	12	n w
March	29.6	−1.3	58	31	−6	4	34	3.30	+0.21	1.10	10.8	11	6	9	16	e, se
April	39.4	−4.8	79	23	10	16	45	2.57	+0.41	1.75	10.5	9	9	11	10	s w
May	56.7	+1.7	87	25	26	11, 15	43	3.18	+0.45	4.10	T	9	9	12	10	s w
June	64.8	−1.0	93	23	35	1, 2	48	1.75	−1.25	2.20	0	6	12	11	7	s w
July	68.6	−1.6	97	17	35	2	45	3.48	+0.54	2.40	0	8	12	14	5	s w
August	65.4	−2.2	91	14	32	30	43	2.12	−0.46	2.01	0	5	13	14	4	s w
September	60.8	−0.3	88	11	22	22	48	3.08	−0.10	1.75	0	8	11	11	8	s w
October	48.6	−1.1	80	11, 18	20	7, 31	40	3.39	−0.79	3.13	T	8	10	8	13	sw, nw
November	38.6	+0.9	72	3	4	28	44	0.13	−2.31	0.18	0.4	2	9	11	10	s w
December	22.9	−4.8	52	23	−16	13	38	1.45	−0.08	1.68	8.5	7	5	8	18	n w
Year, 1904—IV Southern Co's.	44.5	−2.9	98	July 17, 18, 19.	−24	Jan. 25...	59	29.57	−4.01	3.08	55.6	99	128	103	135	s w
January	15.1	−8.6	42	20, 21	−24	25	50	2.79	+0.46	1.51	18.2	12	7	6	18	s w
February	13.5	−9.8	50	7	−20	20	48	2.15	−0.16	2.05	9.2	10	10	7	12	n w
March	32.0	−0.5	70	31	1	16	42	4.20	+1.52	2.20	14.5	12	6	8	17	s e
April	40.7	−5.8	83	23	11	2, 16	55	1.94	−0.40	1.30	4.3	9	10	7	13	n w
May	57.9	+0.5	90	25	27	16	59	2.72	−0.96	2.47	0	9	10	10	11	s w
June	65.8	−1.4	97	4	37	27	51	1.50	−2.04	2.10	0	7	12	11	7	s w
July	69.5	−2.0	98	17, 18, 19	38	3	44	2.94	−0.49	2.53	0	8	14	10	7	s w
August	65.9	−2.6	90	4, 15, 21, 22	34	26	55	3.69	+0.95	3.08	0	6	17	9	5	s w
September	62.1	−0.5	91	11	22	22	44	3.47	+0.71	2.65	0	9	11	10	9	s w
October	49.3	−1.3	88	10	19	6	46	2.35	−0.13	3.00	T	8	12	9	10	s w
November	39.1	+1.7	71	3, 4, 19	5	28	40	0.15	−2.67	0.40	0.7	2	12	9	9	n w
December	23.1	−4.3	62	23	−20	14	40	1.67	−0.80	1.80	8.7	7	7	7	17	s w

TABLES

RELATING TO

DEATHS

AND

CAUSES OF DEATH

IN

MICHIGAN

DURING THE

YEAR 1904.

PRIMARY TABLES RELATING TO DEATHS AND CAUSES OF DEATH IN MICHIGAN DURING THE YEAR 1904.

TABLE I.—Deaths in Michigan, by months, counties and sex, during the year 1904. (Stillbirths excluded.)

TABLE II.—Deaths in Michigan, by ages, counties and sex, during the year 1904. (Stillbirths excluded.)

TABLE III.—Causes of death in Michigan, by months, ages and sex, during the year 1904. (Stillbirths excluded.)

TABLE IV.—Causes of death in Michigan, by counties, during the year 1904. (Stillbirths excluded.)

NOTE.—*Secondary tables*, containing death rates and other ratios and *comparative tables*, displaying the mortality of Michigan for the year 1904, in connection with previous years, and other states and countries, may be found on preceding pages of this Report, together with the descriptive text.

ble I.—Deaths in Michigan by months, counties and sex, during the year 1904. (Still-births excluded.)

tate and ounties.	Sex.	Year 1904.	Months, 1904.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
TE.....	Totals.	34,494	3,188	3,423	3,417	3,265	2,987	2,438	2,555	2,650	2,664	2,604	2,430	2,873
	Males.	18,741	1,701	1,788	1,865	1,774	1,622	1,316	1,397	1,448	1,435	1,457	1,347	1,591
	Fem...	15,753	1,487	1,635	1,552	1,491	1,365	1,122	1,158	1,202	1,229	1,147	1,083	1,282
na.....	Totals.	60	5	4	8	7	5	7	3	2	5	4	3	7
	Males..	28	.....	1	5	2	1	6	2	2	3	2	2	2
	Fem...	32	5	3	3	5	4	1	1	.....	2	2	1	5
r.....	Totals.	74	7	8	6	3	5	10	5	5	7	12	3	3
	Males..	40	2	5	4	1	3	7	2	2	5	5	1	3
	Fem...	34	5	3	2	2	2	3	3	3	2	7	2	.....
gan.....	Totals.	560	58	58	55	58	44	44	35	41	44	42	45	36
	Males..	300	32	29	30	33	21	23	20	23	22	27	21	19
	Fem...	260	26	29	25	25	23	21	15	18	22	15	24	17
na.....	Totals.	268	29	38	16	34	27	20	18	19	16	9	14	28
	Males..	137	10	22	8	16	15	8	9	10	9	5	8	17
	Fem...	131	19	16	8	18	12	12	9	9	7	4	6	11
im.....	Totals.	231	13	21	17	17	17	15	21	22	22	21	22	23
	Males..	118	6	6	10	13	5	8	13	13	9	12	11	12
	Fem...	113	7	15	7	4	12	7	8	9	13	9	11	11
ac.....	Totals.	122	5	15	7	9	14	12	13	7	6	12	9	13
	Males..	51	1	4	4	3	7	7	4	2	4	6	5	4
	Fem...	71	4	11	3	6	7	5	9	5	2	6	4	9
ga.....	Totals.	44	4	3	2	5	6	4	.....	1	5	4	3	7
	Males..	27	2	2	2	3	4	1	.....	1	4	2	2	4
	Fem...	17	2	1	.....	2	2	3	.....	.....	1	2	1	3
y.....	Totals.	306	24	43	33	33	29	17	22	19	19	26	21	20
	Males..	174	13	24	16	23	14	8	13	13	11	16	16	7
	Fem...	132	11	19	17	10	15	9	9	6	8	10	5	13
.....	Totals.	788	86	81	83	76	74	47	50	69	51	75	45	51
	Males..	413	49	43	47	34	41	25	30	36	23	43	22	20
	Fem...	375	37	38	36	42	33	22	20	33	28	32	23	31
tie.....	Totals.	135	11	19	11	10	15	11	13	8	12	7	7	11
	Males.	76	5	10	10	4	7	5	9	5	4	5	4	8
	Fem...	59	6	9	1	6	8	6	4	3	8	2	3	3
ien.....	Totals.	639	46	63	61	64	51	34	52	55	53	57	52	51
	Males.	343	24	33	30	33	23	18	35	30	23	35	28	31
	Fem...	296	22	30	31	31	28	16	17	25	30	22	24	20
ch.....	Totals.	382	33	42	36	35	36	20	19	29	23	30	41	38
	Males..	202	21	20	21	20	19	7	13	15	11	15	18	22
	Fem...	180	12	22	15	15	17	13	6	14	12	15	23	16
oun.....	Totals.	748	67	65	83	85	59	63	61	47	55	51	50	62
	Males..	402	34	39	47	40	34	38	32	31	27	21	20	39
	Fem...	346	33	26	36	45	25	25	29	16	28	30	30	23
.....	Totals.	282	25	33	38	19	21	19	13	21	22	31	20	20
	Males..	153	11	17	22	7	16	11	8	13	10	14	11	13
	Fem...	129	14	16	16	12	5	8	5	8	12	17	9	7
rlevoix.....	Totals.	218	17	24	20	22	13	17	12	21	25	14	17	16
	Males..	125	9	14	12	11	7	12	8	12	16	9	9	6
	Fem...	93	8	10	8	11	6	5	4	9	9	5	8	10
oygan.....	Totals.	195	20	15	21	15	13	15	12	19	11	19	18	17
	Males..	106	14	6	10	10	7	12	7	10	5	8	9	8
	Fem...	89	6	9	11	5	6	3	5	9	6	11	9	9

Table I,—Continued.—Deaths in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months, 1904.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Chippewa	Totals.	277	22	22	21	20	18	23	33	27	32	17	14	28
	Males.	172	14	18	10	14	10	15	17	17	20	8	9	20
	Fem.	105	8	4	11	6	8	8	16	10	12	9	5	8
Clare	Totals.	109	14	7	9	7	13	7	7	5	12	11	9	8
	Males.	56	9	3	5	3	5	2	5	1	8	6	5	4
	Fem.	53	5	4	4	4	8	5	2	4	4	5	4	4
Clinton	Totals.	313	31	27	37	29	30	22	21	20	27	22	21	26
	Males.	161	19	15	15	15	19	12	14	9	11	13	8	11
	Fem.	152	12	12	22	14	11	10	7	11	16	9	13	15
Crawford	Totals.	44	7	4	4	2	8	1	1	3	4	1	4	5
	Males.	22	5	3	3	1	2	.....	1	2	.....	.....	1	4
	Fem.	22	2	1	1	1	6	1	.....	1	4	1	3	1
Delta	Totals.	415	30	33	56	67	40	27	32	27	25	28	24	26
	Males.	250	22	16	36	41	25	13	15	15	15	20	16	16
	Fem.	165	8	17	20	26	15	14	17	12	10	8	8	10
Dickinson	Totals.	215	20	16	16	16	16	15	19	32	19	13	15	18
	Males.	134	10	11	15	12	7	11	11	18	10	8	9	12
	Fem.	81	10	5	1	4	9	4	8	14	9	5	6	6
Eaton	Totals.	483	46	57	41	40	51	47	42	29	22	35	27	46
	Males.	249	22	33	18	20	24	29	18	14	9	21	14	27
	Fem.	234	24	24	23	20	27	18	24	15	13	14	13	19
Emmet	Totals.	232	17	22	15	19	23	15	18	28	28	18	11	18
	Males.	132	7	18	9	9	12	7	11	16	13	11	6	13
	Fem.	100	10	4	6	10	11	8	7	12	15	7	5	5
Genesee	Totals.	582	56	57	62	56	51	35	37	43	45	47	41	52
	Males.	295	31	30	35	24	23	19	21	26	20	26	18	22
	Fem.	287	25	27	27	32	28	16	16	17	25	21	23	30
Gladwin	Totals.	56	4	6	6	7	3	4	4	2	5	3	4	8
	Males.	29	3	3	2	4	3	1	4	1	1	1	3	3
	Fem.	27	1	3	4	3	.....	3	.....	1	4	2	1	5
Gogebic	Totals.	214	27	27	14	18	24	20	19	17	11	15	12	10
	Males.	134	18	20	8	9	12	13	12	12	8	9	7	6
	Fem.	80	9	7	6	9	12	7	7	5	3	6	5	4
Grand Traverse	Totals.	381	17	42	37	30	29	29	32	26	41	34	24	40
	Males.	204	7	22	23	11	14	14	21	15	20	17	12	28
	Fem.	177	10	20	14	19	15	15	11	11	21	17	12	12
Gratiot	Totals.	389	44	40	42	33	30	34	29	21	23	28	37	28
	Males.	206	27	17	24	19	17	13	16	11	12	13	21	16
	Fem.	183	17	23	18	14	13	21	13	10	11	15	16	12
Hillsdale	Totals.	420	40	53	38	44	30	29	32	22	25	37	36	34
	Males.	220	21	31	20	21	16	10	20	17	13	13	20	18
	Fem.	200	19	22	18	23	14	19	12	5	12	24	16	16
Houghton	Totals	926	81	87	107	80	71	65	77	71	73	83	65	66
	Males.	556	42	47	71	52	44	42	42	45	40	49	43	39
	Fem.	370	39	40	36	28	27	23	35	26	33	34	22	27
Huron	Totals.	358	47	35	31	24	30	25	32	17	29	36	23	29
	Males.	194	28	21	18	15	18	13	16	10	11	21	11	12
	Fem.	164	19	14	13	9	12	12	16	7	18	15	12	17
Ingham	Totals.	633	59	69	48	54	58	34	38	44	67	40	60	62
	Males.	335	30	31	30	32	31	15	17	20	42	18	35	34
	Fem.	298	29	38	18	22	27	19	21	24	25	22	25	28
Ionia	Totals.	498	31	48	48	56	63	35	36	30	29	35	32	55
	Males.	285	18	24	27	33	39	16	19	17	20	19	19	34
	Fem.	213	13	24	21	23	24	19	17	13	9	16	13	21

Table I.—Continued.—Deaths in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months, 1904.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Iosco	Totals.	114	10	12	8	11	8	9	7	5	7	11	13	13
	Males.	64	7	5	4	9	4	4	3	3	4	6	9	6
	Fem.	50	3	7	4	2	4	5	4	2	3	5	4	7
Iron	Totals.	88	8	14	9	6	9	10	3	6	4	5	6	8
	Males.	62	6	10	5	4	9	5	1	2	3	4	5	8
	Fem.	26	2	4	4	2	.....	5	2	4	1	1	1	.....
Isabella	Totals.	235	14	21	29	21	25	16	14	21	18	23	16	17
	Males.	134	10	9	13	17	18	9	9	9	10	13	7	10
	Fem.	101	4	12	16	4	7	7	5	12	8	10	9	7
Jackson	Totals.	701	75	82	73	70	47	49	52	59	55	40	38	61
	Males.	378	42	47	41	41	20	28	20	32	26	21	29	31
	Fem.	323	33	35	32	29	27	21	32	27	29	19	9	30
Kalamazoo	Totals.	798	73	79	87	90	64	60	45	64	64	50	60	62
	Males.	415	40	39	45	45	36	34	25	28	31	31	30	31
	Fem.	383	33	40	42	45	28	26	20	36	33	19	30	31
Kalkaska	Totals.	89	13	4	5	7	6	2	11	17	8	6	5	5
	Males.	50	8	2	2	6	3	2	6	11	2	4	3	1
	Fem.	39	5	2	3	1	3	.....	5	6	6	2	2	4
Kent	Totals.	2,118	208	198	245	208	170	135	129	195	127	144	160	199
	Males.	1,161	117	109	125	112	93	70	71	105	67	86	96	110
	Fem.	957	91	89	120	96	77	65	58	90	60	58	64	89
Keweenaw	Totals.	48	3	3	6	6	6	6	4	4	2	1	4	3
	Males.	32	2	1	4	3	5	3	4	2	1	.....	4	3
	Fem.	16	1	2	2	3	1	3	.....	2	1	1	.....	.....
Lake	Totals.	60	9	4	3	9	5	3	7	4	5	2	4	5
	Males.	32	5	1	1	4	5	3	3	1	3	1	2	3
	Fem.	28	4	3	2	5	.....	.....	4	3	2	1	2	2
Lapeer	Totals.	419	39	26	40	39	38	31	29	31	35	33	39	39
	Males.	233	24	15	19	20	19	11	19	16	22	21	24	23
	Fem.	186	15	11	21	19	19	20	10	15	13	12	15	16
Leelanau	Totals.	143	6	16	13	15	12	11	11	12	15	11	10	11
	Males.	74	2	6	11	10	7	6	5	7	8	6	3	3
	Fem.	69	4	10	2	5	5	5	6	5	7	5	7	8
Lenawee	Totals.	703	54	78	60	70	44	40	52	51	63	67	68	56
	Males.	369	26	38	25	43	23	22	25	19	38	36	37	37
	Fem.	334	28	40	35	27	21	18	27	32	25	31	31	19
Livingston	Totals.	262	34	27	25	23	20	23	18	11	20	19	15	27
	Males.	137	18	9	12	12	9	15	9	7	15	7	11	13
	Fem.	125	16	18	13	11	11	8	9	4	5	12	4	14
Luce	Totals.	59	4	7	4	13	2	6	4	6	4	7	.....	2
	Males.	35	3	4	4	10	1	2	1	2	2	4	.....	2
	Fem.	24	1	3	.....	3	1	4	3	4	2	3	.....	.....
Mackinac	Totals.	102	8	9	10	9	11	9	9	7	7	5	5	13
	Males.	56	5	3	9	4	3	8	3	3	5	2	2	9
	Fem.	46	3	6	1	5	8	1	6	4	2	3	3	4
Macomb	Totals.	505	51	49	47	44	47	38	41	38	33	36	41	40
	Males.	269	30	25	18	20	29	22	21	16	21	20	26	21
	Fem.	236	21	24	29	24	18	16	20	22	12	16	15	19
Manistee	Totals.	313	31	36	37	26	31	16	19	14	30	27	20	26
	Males.	182	16	21	25	10	14	10	13	6	17	20	12	18
	Fem.	131	15	15	12	16	17	6	6	8	13	7	8	8
Marquette	Totals.	493	40	48	47	55	38	36	44	49	35	37	34	30
	Males.	297	26	26	29	31	25	25	22	33	19	22	19	20
	Fem.	196	14	22	18	24	13	11	22	16	16	15	15	10

Table I.—Continued.—Deaths in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months, 1904.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Mason	Totals.	243	16	26	21	18	28	21	19	22	12	14	23	23
	Males.	129	10	11	13	8	15	9	13	10	9	8	11	12
	Fem.	114	6	15	8	10	13	12	6	12	3	6	12	11
Mecosta	Totals.	279	32	25	20	23	21	18	15	24	28	22	18	33
	Males.	148	14	13	9	14	10	9	7	13	17	13	8	21
	Fem.	131	18	12	11	9	11	9	8	11	11	9	10	12
Menominee	Totals.	282	32	33	21	21	30	20	14	19	26	20	23	23
	Males.	174	17	20	13	15	18	12	7	13	19	13	15	12
	Fem.	108	15	13	8	6	12	8	7	6	7	7	8	11
Midland	Totals.	156	19	21	14	13	15	7	5	18	13	13	6	12
	Males.	90	11	10	8	7	12	5	3	7	10	6	3	8
	Fem.	66	8	11	6	6	3	2	2	11	3	7	3	4
Missaukee	Totals.	108	9	3	11	7	14	4	10	10	10	16	4	10
	Males.	58	5	.....	8	3	5	3	6	4	5	11	2	6
	Fem.	50	4	3	3	4	9	1	4	6	5	5	2	4
Monroe	Totals.	421	41	52	51	33	37	29	25	27	42	27	17	40
	Males.	221	22	29	28	20	16	13	14	17	24	13	8	17
	Fem.	200	19	23	23	13	21	16	11	10	18	14	9	23
Montcalm	Totals.	433	43	34	48	50	45	26	21	24	34	36	30	42
	Males.	224	20	18	20	24	25	14	12	10	16	23	18	24
	Fem.	209	23	16	28	26	20	12	9	14	18	13	12	18
Montmorency	Totals.	55	5	12	6	2	7	3	4	.....	3	4	3	6
	Males.	30	3	9	2	1	2	2	4	.....	.....	2	2	3
	Fem.	25	2	3	4	1	5	1	.....	.....	3	2	1	3
Muskegon	Totals.	516	48	45	48	41	49	42	46	28	47	38	46	38
	Males.	285	21	27	26	21	30	24	24	17	25	20	30	20
	Fem.	231	27	18	22	20	19	18	22	11	22	18	16	18
Newaygo	Totals.	251	23	26	30	21	21	18	13	17	19	25	18	20
	Males.	131	11	11	13	13	11	10	8	11	10	16	7	10
	Fem.	120	12	15	17	8	10	8	5	6	9	9	11	10
Oakland	Totals.	644	62	63	52	71	52	35	62	41	55	52	45	54
	Males.	360	34	31	35	41	31	19	36	23	28	27	25	30
	Fem.	284	28	32	17	30	21	16	26	18	27	25	20	24
Oceana	Totals.	238	18	22	23	21	24	18	17	23	21	16	20	15
	Males.	130	13	10	12	9	12	7	11	12	14	10	12	8
	Fem.	108	5	12	11	12	12	11	6	11	7	6	8	7
Ogemaw	Totals.	97	9	13	7	13	5	10	8	4	8	7	5	8
	Males.	57	5	7	3	5	3	7	5	4	5	6	4	3
	Fem.	40	4	6	4	8	2	3	3	.....	3	1	1	5
Ontonagon	Totals.	98	17	5	8	13	10	6	6	8	4	4	7	10
	Males.	60	5	4	8	12	5	4	2	5	2	1	4	8
	Fem.	38	12	1	.....	1	5	2	4	3	2	3	3	2
Osceola	Totals.	224	25	21	29	19	11	4	15	25	25	14	20	16
	Males.	120	18	10	14	9	8	1	7	16	13	7	10	7
	Fem.	104	7	11	15	10	3	3	8	9	12	7	10	9
Oscoda	Totals.	11	.....	2	1	3	1	1	.....	2	.....	.....	.....	1
	Males.	5	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	1
	Fem.	6	.....	.....	.....	2	1	1	.....	2	.....	.....	.....	.....
Otsego	Totals.	83	7	9	7	7	8	5	7	12	9	3	3	6
	Males.	59	5	6	5	5	5	4	7	8	6	3	2	3
	Fem.	24	2	3	2	2	3	1	.....	4	3	.....	1	3
Ottawa	Totals.	498	38	46	60	52	48	37	28	41	39	35	43	31
	Males.	257	14	23	24	31	17	21	19	25	19	20	30	14
	Fem.	241	24	23	36	21	31	16	9	16	20	15	13	17

Table I.—Concluded.—Deaths in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months, 1904.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Presque Isle...	Totals.	96	8	8	10	4	8	8	8	10	5	7	8	12
	Males..	49	5	5	3	2	4	4	3	4	2	4	4	9
	Fem...	47	3	3	7	2	4	4	5	6	3	3	4	3
Roscommon....	Totals.	32	2	3	4	7	4	1	1	2	2	1	4	1
	Males..	23	2	3	3	3	3	1	1	1	2	1	2	1
	Fem...	9	.....	.....	1	4	1	.....	.....	1	.....	.....	2	.....
Saginaw.....	Totals.	1,075	98	111	123	94	83	80	86	98	76	79	63	84
	Males..	585	36	57	66	53	53	42	43	63	50	50	29	43
	Fem...	490	62	54	57	41	30	38	43	35	26	29	34	41
St. Clair.....	Totals.	702	69	75	70	69	51	43	49	47	61	57	48	63
	Males..	396	44	42	40	38	21	29	32	24	35	32	24	35
	Fem...	306	25	33	30	31	30	14	17	23	26	25	24	28
St. Joseph.....	Totals.	338	31	36	41	38	26	17	26	11	23	26	20	33
	Males..	165	8	18	20	22	16	7	12	6	15	15	8	18
	Fem...	163	23	18	21	16	10	10	14	5	8	11	12	15
Sanilac.....	Totals.	397	40	45	34	46	40	23	23	31	34	29	28	24
	Males..	215	19	19	15	34	24	10	15	18	23	10	11	17
	Fem...	182	21	26	19	12	16	13	8	13	11	19	17	7
Schoolcraft.....	Totals.	89	8	7	14	8	4	7	11	5	4	5	5	11
	Males..	53	6	5	10	4	2	3	6	2	2	2	4	7
	Fem...	36	2	2	4	4	2	4	5	3	2	3	1	4
Shiawassee.....	Totals.	435	44	52	42	41	40	36	18	30	43	36	23	30
	Males..	230	26	30	21	21	22	24	9	17	15	17	10	18
	Fem...	205	18	22	21	20	18	12	9	13	28	19	13	12
Tuscola.....	Totals.	429	30	44	49	51	39	35	22	24	27	45	28	35
	Males..	218	17	20	25	24	17	19	9	13	10	30	12	22
	Fem...	211	13	24	24	27	22	16	13	11	17	15	16	13
Van Buren.....	Totals.	528	41	59	70	50	48	41	28	30	40	36	35	50
	Males..	274	24	27	39	31	25	17	11	8	22	21	22	27
	Fem...	254	17	32	31	19	23	24	17	22	18	15	13	23
Washtenaw....	Totals.	690	67	70	79	62	65	47	67	41	52	47	51	42
	Males..	355	42	31	41	27	34	22	32	25	29	26	23	20
	Fem...	335	25	39	38	35	31	25	35	16	23	21	25	22
Wayne.....	Totals.	5,954	556	535	525	525	541	464	526	506	452	426	402	496
	Males.	3,170	273	270	286	268	299	247	284	270	239	236	232	266
	Fem...	2,784	283	265	239	257	242	217	242	236	213	190	170	230
Wexford.....	Totals.	255	27	23	22	26	12	10	18	27	25	23	17	25
	Males..	161	18	12	15	19	9	7	10	16	16	12	9	18
	Fem...	94	9	11	7	7	3	3	8	11	9	11	8	7

Table II.—Deaths in Michigan by ages, counties and [illegible]

State and counties	Sex	Total deaths at all ages, [illegible]	Ages in years: Under 1 year	1	2	3	4
STATE	Totals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Males	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Females	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Alcona	Totals	40	9	3	.....	.....	1
	Males	26	5	1	.....	.....	1
	Females	32	4	2	.....	.....	.....
Alger	Totals	74	23	3	.....	1	2
	Males	40	11	2	.....	.....	2
	Females	34	12	1	.....	1	.....
Allegan	Totals	509	65	12	5	2	4
	Males	269	35	6	2	1	2
	Females	240	26	6	3	1	2
Alpena	Totals	208	64	9	11	4	5
	Males	127	27	2	4	1	1
	Females	121	27	7	7	3	4
Antrim	Totals	221	43	10	6	4	1
	Males	118	33	3	3	2	1
	Females	113	30	7	3	2	.....
Arenac	Totals	122	26	6	3	4	3
	Males	51	14	2	1	2	2
	Females	71	15	4	2	2	1
Baraga	Totals	44	12	4	.....	.....	.....
	Males	27	8	3	.....	.....	.....
	Females	17	4	1	.....	.....	.....
Barry	Totals	296	36	9	1	2	.....
	Males	174	27	4	1	1	.....
	Females	122	9	5	.....	1	.....
Bay	Totals	788	163	24	14	8	9
	Males	413	95	11	9	2	2
	Females	375	68	13	5	6	7
Benzie	Totals	125	26	9	3	4	3
	Males	76	20	4	2	1	3
	Females	49	15	5	1	3	.....
Berrien	Totals	639	112	7	8	3	2
	Males	343	53	5	7	2	.....
	Females	296	59	2	1	1	2
Branch	Totals	382	49	4	1	1	.....
	Males	202	23	3	.....	.....	.....
	Females	180	26	1	1	1	.....
Calhoun	Totals	748	88	10	12	6	3
	Males	402	48	4	8	5	2
	Females	346	40	6	4	1	1
Cass	Totals	282	32	7	1	2	2
	Males	153	22	5	1	1	1
	Females	129	10	2	.....	1	1
Charlevoix	Totals	218	50	9	4	4	3
	Males	125	29	5	2	1	2
	Females	93	21	4	2	3	1
Cheboygan	Totals	195	57	11	3	.....	3
	Males	106	28	3	2	.....	3
	Females	89	29	8	1	.....	.....
Chippewa	Totals	277	75	22	6	1	2
	Males	172	43	17	2	1	.....
	Females	105	32	5	4	.....	2

sex during the year 1904. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
8,446	750	670	1090	1,397	1,295	1,145	1,193	1,132	1,387	1,438	1,656	2,071	2,300	2,584	2,439	3,414	57
4,744	378	330	531	713	622	553	589	597	759	812	965	1,205	1,289	1,444	1,325	1,841	44
3,702	372	340	559	684	673	592	604	535	628	656	691	866	1,011	1,140	1,114	1,573	13
13	2	3	3	5	1	2	2	3	1	3	2	3	6	7	.....	4	....
7	1	1	1	3	.....	.....	1	2	1	2	.....	2	3	3	.....	1	....
6	1	2	2	2	1	2	1	1	.....	1	2	1	3	4	.....	3	....
29	4	1	1	5	6	2	1	4	.....	2	5	1	2	5	3	3	....
15	1	....	1	4	3	1	.....	1	.....	2	4	.....	2	4	1	1	....
14	3	1	....	1	3	1	1	3	.....	.....	1	1	.....	1	2	2	....
91	10	8	10	18	16	11	18	13	18	29	31	41	41	71	51	81	2
49	4	5	6	8	8	3	8	5	8	16	14	18	25	47	25	50	1
42	6	3	4	10	8	8	10	8	10	13	17	23	16	24	26	31	1
93	18	11	11	8	8	5	8	7	5	15	13	12	10	10	16	17	1
45	4	8	5	2	1	2	3	6	4	6	8	8	6	6	11	11	1
48	14	3	6	6	7	3	5	1	1	9	5	4	4	4	5	6	....
84	9	9	7	6	6	9	9	4	6	6	11	11	15	6	19	12	2
42	4	4	3	4	.....	5	5	3	2	3	6	5	12	1	10	7	2
42	5	5	4	2	6	4	4	1	4	3	5	6	3	5	9	5	....
45	5	6	2	8	4	2	4	3	5	6	8	5	7	6	3	3	....
21	....	3	1	4	.....	1	.....	1	4	1	4	2	4	3	.....	2	....
24	5	3	1	4	4	1	4	2	1	5	4	3	3	3	3	1	....
16	....	....	1	2	2	.....	4	4	3	2	1	3	2	2	1	1	....
11	....	....	....	.....	2	.....	2	3	1	1	1	2	.....	2	1	1	....
5	....	....	1	2	.....	.....	2	1	2	1	.....	1	2	.....	.....	.....	....
48	1	7	6	5	9	8	9	8	9	13	22	23	30	29	27	52	....
33	1	4	3	4	1	4	2	5	5	7	12	10	16	18	20	29	....
15	....	3	3	1	8	4	7	3	4	6	10	13	14	11	7	23	....
218	25	21	35	19	28	24	19	37	36	38	30	48	45	48	43	73	1
119	11	9	14	2	13	7	6	21	22	25	15	34	27	26	26	35	1
99	14	12	21	17	15	17	13	16	14	13	15	14	18	22	17	38	....
54	6	1	5	4	3	5	2	2	5	5	4	5	6	10	4	14	....
30	5	....	2	1	1	3	1	2	3	3	4	2	4	3	2	10	....
24	1	1	3	3	2	2	1	.....	2	2	.....	3	2	7	2	4	....
132	4	12	17	25	16	21	16	32	27	21	25	46	54	52	73	61	5
67	2	6	11	13	5	11	8	14	11	10	13	29	30	33	43	34	3
65	2	6	6	12	11	10	8	18	16	11	12	17	24	19	30	27	2
55	1	1	5	9	10	10	9	10	15	19	26	35	33	47	36	61	....
26	....	1	2	4	5	7	5	5	8	8	14	22	17	19	19	40	....
29	1	....	3	5	5	3	4	5	7	11	12	13	16	28	17	21	....
119	16	12	15	27	19	36	19	31	35	37	38	38	53	77	75	98	3
67	6	4	10	13	10	17	5	17	19	25	18	29	33	42	36	49	2
52	10	8	5	14	9	19	14	14	16	12	20	9	20	35	39	49	1
44	4	10	9	5	8	7	5	10	10	13	19	18	25	33	17	44	1
30	2	3	5	3	3	3	2	5	5	8	12	8	12	19	10	22	1
14	2	7	4	2	5	4	3	5	5	5	7	10	13	14	7	22	....
70	2	1	9	9	12	4	7	7	7	6	8	7	21	12	13	21	2
39	1	1	5	6	7	3	4	2	3	4	5	5	11	10	6	12	1
31	1	....	4	3	5	1	3	5	4	2	3	2	10	2	7	9	1
74	3	1	10	11	8	4	6	5	10	6	9	11	10	8	7	10	2
36	....	1	7	8	2	2	2	2	6	3	5	8	8	5	5	4	2
38	3	....	3	3	6	2	4	3	4	3	4	3	2	3	2	6	....
106	8	3	5	11	19	10	18	11	10	6	7	14	21	6	6	16	....
63	3	2	2	9	8	5	12	7	6	4	7	9	17	4	4	10	....
43	5	1	3	2	11	5	6	4	4	2	.....	5	4	2	2	6	....

Table II.—Continued.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1904.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Clare	Totals	109	26	5	1	1	3
	Males	56	14	1	.....	.....	1
	Females	53	12	4	1	1	2
Clinton	Totals	313	35	5	3	1	2
	Males	161	16	4	2	1	1
	Females	152	19	1	1	.....	1
Crawford	Totals	44	13	2	2	.....	.....
	Males	22	5	.....	1	.....	.....
	Females	22	8	2	1	.....	.....
Delta	Totals	415	126	19	9	3	.....
	Males	250	69	13	4	1	.....
	Females	165	57	6	5	2	.....
Dickinson	Totals	215	77	12	5	3	4
	Males	134	43	8	2	2	1
	Females	81	34	4	3	1	3
Eaton	Totals	483	73	12	2	3	4
	Males	249	39	3	1	1	4
	Females	234	34	9	1	2	.....
Emmet	Totals	232	65	9	1	.....	3
	Males	132	42	4	1	.....	.....
	Females	100	23	5	.....	.....	3
Genesee	Totals	582	58	9	3	5	2
	Males	295	40	5	1	2	1
	Females	287	18	4	2	3	1
Gladwin	Totals	56	15	4	3	.....	1
	Males	29	5	1	1	.....	1
	Females	27	10	3	2	.....	.....
Gogebic	Totals	214	88	9	5	5	4
	Males	134	51	6	4	3	2
	Females	80	37	3	1	2	2
Grand Traverse	Totals	381	60	6	8	7	2
	Males	204	35	2	6	3	.....
	Females	177	24	4	2	4	2
Gratiot	Totals	389	56	10	4	5	2
	Males	206	37	5	3	2	1
	Females	183	19	5	1	3	1
Hillsdale	Totals	420	47	6	3	5	3
	Males	220	31	3	1	1	3
	Females	200	16	3	2	4	.....
Houghton	Totals	926	284	57	35	11	18
	Males	556	169	33	19	7	12
	Females	370	115	24	16	4	6
Huron	Totals	358	84	12	8	4	3
	Males	194	49	7	4	1	1
	Females	164	35	5	4	3	2
Ingham	Totals	633	83	17	10	3	2
	Males	335	48	7	4	1	.....
	Females	298	35	10	6	2	2
Ionia	Totals	498	56	2	4	....	4
	Males	285	39	.....	3	...	3
	Females	213	17	2	1	...	1
Iosco	Totals	114	28	3	1	1	1
	Males	64	14	2	1	1	.....
	Females	50	14	1	.....	.....	1

counties and sex, during the year 1904. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
36	2	3	5	3	3	2	6	5	6	6	3	2	8	6	3	9	1
16	2	1	2	2	1	.....	4	1	2	2	3	1	4	4	1	9	1
20	....	2	3	1	2	2	2	4	4	4	.....	1	4	2	2	.....	....
46	4	5	4	12	14	5	3	6	9	12	16	24	31	32	35	54	1
24	4	3	2	4	9	.....	1	4	3	11	11	12	13	14	18	27	1
22	....	2	2	8	5	5	2	2	6	1	5	12	18	18	17	27	....
17	....	....	....	2	5	1	4	1	1	2	3	1	3	1	2	1	....
6	....	....	....	1	3	1	2	1	.....	1	3	1	1	1	1	.....	....
11	....	....	....	1	2	.....	2	.....	1	1	.....	.....	2	.....	1	1	....
157	9	8	20	28	28	24	24	14	16	21	19	12	4	9	7	15	....
87	4	4	16	15	14	15	17	8	14	15	15	7	2	6	4	7	....
70	5	4	4	13	14	9	7	6	2	6	4	5	2	3	3	8	....
101	4	3	5	14	14	4	6	10	5	6	8	8	9	5	4	9	....
56	3	2	4	9	10	4	3	6	3	5	7	4	7	3	2	6	....
45	1	1	1	5	4	.....	3	4	2	1	1	4	2	2	2	3	....
94	7	10	17	16	9	10	14	10	14	22	17	44	43	47	40	67	2
48	6	5	7	11	5	4	4	5	10	12	6	27	17	21	17	42	2
46	1	5	10	5	4	6	10	5	4	10	11	17	26	26	23	25	....
78	5	5	10	14	10	5	7	8	9	8	7	16	8	13	13	16	....
47	4	2	6	8	6	4	2	4	8	5	5	8	4	8	6	5	....
31	1	3	4	6	4	1	5	4	1	3	2	8	4	5	7	11	....
77	10	5	19	23	18	21	19	13	21	29	38	43	55	53	53	84	1
49	6	1	8	14	9	5	6	8	8	13	21	23	26	28	23	47	....
28	4	4	11	9	9	16	13	5	13	16	17	20	29	25	30	37	1
23	1	2	1	.....	2	1	.....	1	2	1	6	2	1	7	2	4	....
8	....	1	1	.....	2	.....	.....	.....	1	1	6	1	.....	4	1	3	....
15	1	1	....	.....	.....	1	.....	1	1	.....	.....	1	1	3	1	1	....
111	8	4	4	8	10	13	15	4	12	4	6	4	1	4	2	4	....
66	5	1	1	4	6	10	12	2	10	4	5	3	.....	3	1	1	....
45	3	3	3	4	4	3	3	2	2	.....	1	1	1	1	1	3	....
83	4	6	11	20	13	16	18	20	17	20	21	18	21	29	29	34	1
47	2	6	6	11	4	6	5	13	11	12	9	12	10	13	19	17	1
36	2	.....	5	9	9	10	13	7	6	8	12	6	11	16	10	17	....
77	7	10	13	17	16	16	6	8	15	11	20	27	24	42	32	47	1
48	4	5	3	3	8	8	4	3	8	3	11	16	11	22	19	29	1
29	3	5	10	14	8	8	2	5	7	8	9	11	13	20	13	18	....
64	2	7	9	9	10	12	12	7	19	21	21	33	33	53	43	65	....
39	2	5	6	3	5	6	6	3	8	10	11	16	17	26	21	36	....
25	....	2	3	6	5	6	6	4	11	11	10	17	16	27	22	29	....
405	27	19	24	54	57	44	27	29	32	30	38	28	33	32	21	22	4
240	17	6	13	40	34	27	15	18	18	21	26	16	23	20	10	10	2
165	10	13	11	14	23	17	12	11	14	9	12	12	10	12	11	12	2
111	17	9	7	13	10	10	7	9	10	14	12	24	21	26	24	34	....
62	7	5	3	6	3	6	5	5	5	7	9	12	9	17	18	15	....
49	10	4	4	7	7	4	2	4	5	7	3	12	12	9	6	19	....
115	5	10	29	26	15	17	17	30	15	28	32	53	45	57	54	83	2
60	2	5	19	14	3	9	10	11	8	15	18	36	26	25	27	45	2
55	3	5	10	12	12	8	7	19	7	13	14	17	19	32	27	38	....
66	8	6	17	7	13	25	14	14	18	19	27	35	51	51	58	69	....
45	3	4	7	4	6	13	9	9	13	6	17	20	25	38	27	39	....
21	5	2	10	3	7	12	5	5	5	13	10	15	26	13	31	30	....
34	4	5	4	5	3	7	2	6	4	6	3	3	7	7	5	9	....
18	4	4	1	1	1	1	1	1	4	3	3	1	4	5	5	7	....
16	....	1	3	4	2	6	1	5	.....	3	.....	2	3	2	.....	2	....

Table II.—Continued.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1904.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Iron	Totals	88	38	1	.....	.....	.....
	Males	62	26	.....	.....	.....	.....
	Females	26	12	1	.....	.....	.....
Isabella	Totals	235	30	11	8	.....	.....
	Males	134	16	7	5	.....	.....
	Females	101	14	4	3	.....	.....
Jackson	Totals	701	89	10	3	5	6
	Males	378	57	5	2	3	2
	Females	323	32	5	1	2	4
Kalamazoo	Totals	798	88	19	5	2	2
	Males	415	47	7	2	.....	1
	Females	383	41	12	3	2	1
Kalkaska	Totals	89	15	6	3	4	2
	Males	50	8	2	1	2	1
	Females	39	7	4	2	2	1
Kent	Totals	2,118	367	48	24	14	16
	Males	1,161	217	27	17	9	6
	Females	957	150	21	7	5	10
Keweenaw	Totals	48	18	3	.....	2	.....
	Males	32	9	3	.....	2	.....
	Females	16	9	.....	.....	.....	.....
Lake	Totals	60	9	2	2	.....	2
	Males	32	5	1	1	.....	1
	Females	28	4	1	1	.....	1
Lapeer	Totals	419	59	7	6	4	2
	Males	233	40	4	3	3	2
	Females	186	19	3	3	1	.....
Leelanau	Totals	143	38	6	1	3	1
	Males	74	23	1	1	2	.....
	Females	69	15	5	.....	1	1
Lenawee	Totals	703	83	14	7	2	2
	Males	369	49	7	1	2	2
	Females	334	34	7	6	.....	.....
Livingston	Totals	262	17	2	2	3	2
	Males	137	10	1	2	1	2
	Females	125	7	1	.....	2	.....
Luce	Totals	59	5	1	.....	1	.....
	Males	35	2	.....	.....	1	.....
	Females	24	3	1	.....	.....	.....
Mackinac	Totals	102	24	7	.....	.....	1
	Males	56	13	4	.....	.....	1
	Females	46	11	3	.....	.....	.....
Macomb	Totals	505	54	10	1	1	4
	Males	269	26	6	1	.....	2
	Females	236	28	4	.....	1	2
Manistee	Totals	313	72	12	9	6	2
	Males	182	40	6	4	3	1
	Females	131	32	6	5	3	1
Marquette	Totals	493	115	16	19	4	6
	Males	297	62	7	10	1	5
	Females	196	53	9	9	3	1
Mason	Totals	243	42	11	3	2	5
	Males	129	23	7	2	1	2
	Females	114	19	4	1	1	3

counties and sex, during the year 1904. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
39	4	....	2	3	6	4	4	4	9	2	2	3	3	2	.....	1	....
26	1	....	....	2	5	2	3	4	8	2	2	3	2	1	.....	1	....
13	3	....	2	1	1	2	1	.....	1	.....	.....	.....	1	1	.....	.....	....
49	8	11	11	12	12	6	5	9	9	10	14	15	15	20	14	14	1
28	5	9	6	4	5	2	3	6	6	4	7	9	10	15	7	7	1
21	3	2	5	8	7	4	2	3	3	6	7	6	5	5	7	7	....
113	14	8	15	16	26	24	28	20	31	41	52	44	48	57	79	85	....
69	7	5	6	8	15	11	16	11	15	24	30	21	27	35	35	43	....
44	7	3	9	8	11	13	12	9	16	17	22	23	21	22	44	42	....
116	20	13	18	23	27	34	29	23	38	42	49	60	68	68	70	100	....
57	11	9	7	7	15	14	11	11	18	25	28	34	42	31	34	61	....
59	9	4	11	16	12	20	18	12	20	17	21	26	26	37	36	39	....
30	1	....	2	8	5	2	4	1	.....	4	4	10	5	5	5	3	....
14	....	....	1	4	2	.....	1	1	.....	2	4	7	4	4	3	3	....
16	1	....	1	4	3	2	3	.....	.....	2	.....	3	1	1	2	.....	....
469	41	35	79	90	80	73	66	80	87	91	96	127	170	174	162	196	2
276	21	15	35	48	39	38	26	39	47	56	46	83	91	103	92	105	1
193	20	20	44	42	41	35	40	41	40	35	50	44	79	71	70	91	1
23	2	2	....	5	4	2	2	.....	1	2	1	2	2	.....	.....	.....	....
14	2	1	....	3	3	1	1	.....	1	1	1	2	2	.....	.....	.....	....
9	....	1	....	2	1	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	....
15	2	2	2	4	5	1	6	1	4	.....	1	4	1	4	4	4	....
8	1	1	2	2	2	1	4	.....	3	.....	1	1	.....	2	1	3	....
7	1	1	....	2	3	.....	2	1	1	.....	.....	3	1	2	3	1	....
78	6	16	15	18	13	10	10	7	14	11	23	30	37	29	38	64	....
52	3	9	8	10	5	4	4	3	5	6	14	17	23	17	24	29	....
26	3	7	7	8	8	6	6	4	9	5	9	13	14	12	14	35	....
49	4	1	7	6	4	5	4	2	7	6	3	8	11	4	7	15	....
27	1	....	1	5	2	3	1	.....	5	4	3	6	3	.....	4	9	....
22	3	1	6	1	2	2	3	2	2	2	.....	2	8	4	3	6	....
108	7	14	18	27	26	18	25	14	24	28	46	47	53	70	64	113	1
61	3	7	9	13	17	4	8	7	12	13	25	24	27	42	30	66	1
47	4	7	9	14	9	14	17	7	12	15	21	23	26	28	34	47	....
26	4	3	6	3	11	7	11	6	8	10	8	19	27	24	29	60	....
16	2	2	2	2	2	2	7	2	4	4	3	8	16	15	17	33	....
10	2	1	4	1	9	5	4	4	4	6	5	11	11	9	12	27	....
7	2	2	2	6	2	3	7	5	4	4	3	2	2	2	1	.....	5
3	1	....	....	4	2	2	5	4	1	2	2	2	2	1	1	.....	3
4	1	2	2	2	.....	1	2	1	3	2	1	.....	.....	1	.....	.....	2
32	5	3	3	5	4	2	2	5	12	1	3	4	7	2	3	7	2
18	2	1	2	3	1	.....	1	1	7	1	1	3	5	2	1	5	2
14	3	2	1	2	3	2	1	4	5	.....	2	1	2	.....	2	2	....
70	14	10	11	11	16	15	15	19	21	21	26	29	38	40	62	87	....
35	2	6	8	6	12	6	7	11	12	8	17	10	22	23	36	48	....
35	12	4	3	5	4	9	8	8	9	13	9	19	16	17	26	39	....
101	11	6	13	15	10	9	7	8	12	15	12	20	22	16	22	14	....
54	7	2	8	6	5	6	5	5	7	12	7	12	14	12	12	8	....
47	4	4	5	9	5	3	2	3	5	3	5	8	8	4	10	6	....
160	16	12	21	28	18	20	25	18	27	12	22	26	23	32	15	18	....
85	11	5	13	17	13	15	15	14	17	7	15	17	18	18	7	10	....
75	5	7	8	11	5	5	10	4	10	5	7	9	5	14	8	8	....
63	7	5	8	6	8	6	9	11	4	12	15	16	13	16	22	22	....
35	6	2	3	2	2	3	4	6	3	4	6	10	8	9	10	16	....
28	1	3	5	4	6	3	5	5	1	8	9	6	5	7	12	6	....

Table II.—Continued.—Deaths in Michigan by ages,

Counties.	Sex.	Total deaths at all ages, 1904.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Mecosta	Totals	279	53	4	1	5	3
	Males	148	36	2	.....	1	.....
	Females	131	17	2	1	4	3
Menominee	Totals	282	78	15	5	3	4
	Males	174	48	11	3	1	.....
	Females	108	30	4	2	2	4
Midland	Totals	156	45	7	10	3	.....
	Males	90	24	5	8	2	.....
	Females	66	21	2	2	1	.....
Missaukee	Totals	108	28	8	1	2	2
	Males	58	18	4	.....	2	1
	Females	50	10	4	1	.....	1
Monroe	Totals	421	70	11	3	1	1
	Males	221	44	4	2	1	.....
	Females	200	26	7	1	.....	1
Montcalm	Totals	433	83	2	4	5	4
	Males	224	39	1	3	3	1
	Females	209	44	1	1	2	3
Montmorency	Totals	55	15	4	1	1	3
	Males	30	7	1	1	.....	1
	Females	25	8	3	.....	1	2
Muskegon	Totals	516	95	14	4	3	7
	Males	285	53	5	1	.....	3
	Females	231	42	9	3	3	4
Newaygo	Totals	251	38	9	3	1	.....
	Males	131	18	3	1	.....	.....
	Females	120	20	6	2	1	.....
Oakland	Totals	644	77	8	4	2	2
	Males	360	51	1	2	2	2
	Females	284	26	7	2	.....	.....
Oceana	Totals	238	40	2	5	2	1
	Males	130	23	1	2	2	1
	Females	108	17	1	3	.....	.....
Ogemaw	Totals	97	39	5	2	.....	.....
	Males	57	21	2	1	.....	.....
	Females	40	18	3	1	.....	.....
Ontonagon	Totals	98	28	3	4	2	.....
	Males	60	15	3	1	1	.....
	Females	38	13	.....	3	1	.....
Osceola	Totals	224	36	2	3	5	3
	Males	120	23	1	2	3	1
	Females	104	13	1	1	2	2
Oscoda	Totals	11	4	.....	.....	.....	.....
	Males	5	1	.....	.....	.....	.....
	Females	6	3	.....	.....	.....	.....
Otsego	Totals	83	23	3	3	.....	2
	Males	59	18	3	3	.....	2
	Females	24	5	.....	.....	.....	.....
Ottawa	Totals	498	67	14	4	.....	3
	Males	257	48	6	1	.....	.....
	Females	241	19	8	3	.....	3
Presque Isle	Totals	96	29	3	3	1	1
	Males	49	16	2	2	.....	1
	Females	47	13	1	1	1	.....

counties and sex, during the year 1904. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.
66	1	11	14	15	7	5	8	10	8	11	17	23	16	21	20	26	....
39	1	7	7	6	3	1	3	6	5	4	11	11	8	11	10	15	....
27	....	4	7	9	4	4	5	4	3	7	6	12	8	10	10	11	....
105	6	6	15	17	11	9	11	11	12	13	20	6	8	6	8	18	....
63	3	3	10	12	6	5	6	8	7	10	12	1	7	3	6	12	....
42	3	3	5	5	5	4	5	3	5	3	8	5	1	3	2	6	....
65	4	1	2	9	4	4	3	3	9	4	4	4	13	10	6	11	....
39	1	1	1	4	1	2	3	2	4	2	2	4	6	8	5	5	....
26	3	....	1	5	3	2	.....	1	5	2	2	.....	7	2	1	6	....
41	3	4	2	6	5	6	2	2	4	3	3	6	7	5	7	2	....
25	2	2	....	4	3	2	1	.....	1	1	1	4	4	1	5	2	....
16	1	2	2	2	2	4	1	2	3	2	2	2	3	4	2	.....	....
83	10	13	21	11	16	5	14	9	17	15	13	26	41	34	34	56	....
51	1	5	11	4	6	4	9	6	9	10	7	14	23	17	21	23	....
35	9	8	10	7	10	1	5	3	8	5	6	12	18	17	13	33	....
98	8	6	12	17	7	13	10	13	18	17	22	30	45	31	34	52	....
47	4	2	4	11	2	7	7	5	7	10	14	19	21	16	18	30	....
51	4	4	8	6	5	6	3	8	11	7	8	11	24	15	16	22	....
24	1	2	4	2	.....	.....	.....	3	2	3	1	3	3	2	2	3	....
10	....	1	2	1	.....	.....	.....	1	2	2	1	3	3	2	1	1	....
14	1	1	2	1	.....	.....	.....	2	.....	1	.....	.....	.....	.....	1	2	....
123	13	8	7	26	18	17	20	11	23	22	34	33	33	40	38	50	....
62	10	3	1	14	6	7	9	4	12	11	20	22	26	26	23	29	....
61	3	5	6	12	12	10	11	7	11	11	14	11	7	14	15	21	....
51	4	1	8	9	11	12	9	8	11	12	7	24	18	18	23	24	1
22	2	....	3	2	4	6	4	4	5	1	7	16	13	12	16	14	....
29	2	1	5	7	7	6	5	4	6	11	.....	8	5	6	7	10	1
93	10	8	15	20	18	21	26	20	31	36	34	51	41	60	60	100	....
58	6	5	4	10	10	8	9	10	21	18	19	32	23	33	36	58	....
35	4	3	11	10	8	13	17	10	10	18	15	19	18	27	24	42	....
50	7	5	10	9	10	10	3	7	14	10	14	13	11	24	16	25	....
29	3	3	2	6	5	5	1	1	9	4	7	9	6	18	10	12	....
21	4	2	8	3	5	5	2	6	5	6	7	4	5	6	6	13	....
46	1	1	4	3	1	3	2	2	5	4	2	3	6	4	5	5	....
24	1	....	3	2	1	1	.....	1	4	2	1	2	5	3	4	3	....
22	....	1	1	1	.....	2	2	1	1	2	1	1	1	1	1	2	....
37	1	6	2	7	8	4	7	.....	2	2	4	3	3	3	3	6	....
20	1	1	1	5	3	3	7	.....	.....	2	3	2	3	2	3	4	....
17	....	5	1	2	5	1	.....	.....	2	.....	1	1	.....	1	.....	2	....
49	5	6	10	18	11	8	7	4	12	7	15	13	13	17	12	17	....
30	3	2	3	6	6	2	3	2	9	4	4	10	7	12	7	10	....
19	2	4	7	12	5	6	4	2	3	3	11	3	6	5	5	7	....
4	....	....	1	1	.....	2	.....	.....	1	.....	.....	1	1	.....	.....	.....	....
1	....	....	1	.....	.....	1	.....	.....	1	.....	.....	1	.....	.....	.....	.....	....
3	....	....	....	1	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	....
31	2	1	6	4	4	1	2	4	3	5	4	6	3	3	3	1	....
26	2	....	3	1	2	.....	2	2	1	4	4	5	3	2	2	.....	....
5	....	1	3	3	2	1	.....	2	2	1	.....	1	.....	1	1	1	....
88	6	13	22	23	17	13	19	11	17	13	23	20	42	56	54	61	....
55	3	6	12	13	9	4	11	4	3	7	15	10	25	26	29	25	....
33	3	7	10	10	8	9	8	7	14	6	8	10	17	30	25	36	....
37	2	....	2	6	4	3	4	2	5	.....	2	6	7	6	2	8	....
21	....	....	....	3	1	1	3	.....	2	.....	2	4	3	3	2	4	....
16	2	....	2	3	3	2	1	2	3	.....	.....	2	4	3	.....	4	....

Table II.—Concluded.—Deaths in Michigan by ages.

Counties.	Sex.	Total deaths at all ages, 1904.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Roscommon	Totals	32	9	2	.....	.....	.....
	Males	23	6	2	.....	.....	.....
	Females	9	3	.....	.....	.....	.....
Saginaw	Totals	1,075	184	22	10	7	4
	Males	585	111	7	6	5	3
	Females	490	73	15	4	2	1
St. Clair	Totals	702	107	17	11	2	4
	Males	396	66	8	6	2	2
	Females	306	41	9	5	.....	2
St. Joseph	Totals	328	26	4	2	.....	.....
	Males	165	11	2	2	.....	.....
	Females	163	15	2	.....	.....	.....
Sanilac	Totals	397	68	12	5	2	4
	Males	215	44	5	2	1	2
	Females	182	24	7	3	1	2
Schoolcraft	Totals	89	18	2	1	1	.....
	Males	53	8	1	1	1	.....
	Females	36	10	1	.....	.....	.....
Shiawassee	Totals	435	52	7	5	2	5
	Males	230	30	5	3	1	2
	Females	205	22	2	2	1	3
Tuscola	Totals	429	79	7	1	2	6
	Males	218	39	5	1	1	5
	Females	211	40	2	.....	1	1
Van Buren	Totals	528	77	9	3	1	5
	Males	274	49	5	1	1	3
	Females	254	28	4	2	.....	2
Washtenaw	Totals	690	60	8	6	2	3
	Males	355	37	3	4	1	2
	Females	335	23	5	2	1	1
Wayne	Totals	5,954	1,427	215	114	61	57
	Males	3,170	787	117	63	31	29
	Females	2,784	640	98	51	30	28
Wexford	Totals	255	62	9	5	.....	4
	Males	161	39	5	3	.....	2
	Females	94	23	4	2	.....	2

counties and sex, during the year 1904. (Stillbirths excluded.)

Ages in five-year periods.																	
Under 5 years.	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 and over.	Unknown.
11	2	2	2	3	1	2	.....	.....	1	1	3	.....	1	1	.....	2	....
8	2	....	2	3	1	2	.....	.....	.....	1	2	.....	.....	.....	.....	2	....
3	....	2	....	.....	.....	.....	.....	.....	1	.....	1	.....	1	1	.....	.....	....
227	23	28	41	60	39	47	37	43	61	53	43	60	73	76	73	91	....
132	8	15	25	30	18	22	20	18	27	29	26	39	40	44	40	52	....
95	15	13	16	30	21	25	17	25	34	24	17	21	33	32	33	39	....
141	18	16	26	19	24	17	24	22	27	33	38	39	52	59	58	89	....
84	11	10	14	12	16	10	13	11	14	14	22	20	25	32	38	50	....
57	7	6	12	7	8	7	11	11	13	19	16	19	27	27	20	39	....
32	5	1	6	18	9	8	10	10	9	10	21	20	23	46	33	64	....
15	3	....	4	9	3	4	7	7	3	5	9	11	8	25	21	31	....
17	2	1	2	9	6	4	3	3	6	5	12	9	18	21	12	33	....
91	3	9	16	11	14	11	12	8	7	20	12	25	27	38	41	52	....
54	2	4	8	4	4	2	7	.....	3	12	10	14	17	24	21	29	....
37	1	5	8	7	10	9	5	8	4	8	2	11	10	14	20	23	....
22	1	1	3	5	7	6	1	6	2	7	4	5	7	4	2	6	....
11	1	1	....	4	4	2	1	5	2	5	3	4	4	2	1	3	....
11	....	....	3	1	3	4	.....	1	.....	2	1	1	3	2	1	3	....
71	6	6	16	15	19	13	10	17	24	18	20	24	23	53	47	50	....
41	1	4	5	4	6	5	5	9	14	10	15	16	15	30	27	23	....
30	5	2	11	11	13	8	5	8	10	8	5	8	11	23	20	27	....
95	6	9	15	18	12	14	13	10	12	18	14	31	29	43	34	54	2
51	3	3	6	7	4	7	7	6	9	7	7	17	13	21	18	31	1
44	3	6	9	11	8	7	6	4	3	11	7	14	16	22	16	23	1
95	6	6	16	23	17	11	16	18	14	23	22	32	49	54	53	73	....
59	4	3	9	9	6	5	4	8	5	11	14	15	19	34	29	40	....
36	2	3	7	14	11	6	12	10	9	12	8	17	30	20	24	33	....
79	11	17	18	27	31	24	29	25	31	34	42	61	67	53	51	89	1
47	6	9	8	14	20	10	11	11	15	22	21	33	37	30	23	37	1
32	5	8	10	13	11	14	18	14	16	12	21	28	30	23	28	52	....
1,874	166	114	180	252	253	211	266	226	255	268	271	323	296	337	289	364	9
1,027	81	54	83	124	120	111	133	132	143	150	157	179	176	168	147	176	9
847	85	60	97	128	133	100	133	94	112	118	114	144	120	169	142	188	....
80	9	2	11	9	15	11	12	8	11	7	11	16	12	12	13	15	1
49	7	....	5	5	7	7	9	6	9	5	9	10	7	6	9	10	1
31	2	2	6	4	8	4	3	2	2	2	2	6	5	6	4	5	....

Table III.—Causes of death in Michigan, by months

Classification No.	Causes of death, 1904.	Sex.	Total deaths 1904.	Months of deaths, 1904. Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	ALL CAUSES.	Totals	34,494	3,188	3,423	3,417	3,265	2,987	2,438	2,555	2,650	2,664	2,604	2,430	2,873
		Males	18,741	1,701	1,788	1,865	1,774	1,622	1,316	1,397	1,448	1,435	1,457	1,347	1,591
		Fem...	15,753	1,487	1,635	1,552	1,491	1,365	1,122	1,158	1,202	1,229	1,147	1,083	1,282
1	Typhoid fever.....	Totals	634	56	47	56	79	58	30	27	44	67	65	55	50
		Males	354	30	28	31	49	29	18	11	19	36	43	30	30
		Fem...	280	26	19	25	30	29	12	16	25	31	22	25	20
2	Typho-malarial fever.	Totals	7	1	.....	.....	2	1	.....	.....	1	1	1	.....	.....
		Males	3	.....	.....	.....	1	.....	.....	.....	1	1	.....	.....	.....
		Fem...	4	1	.....	.....	1	1	.....	.....	.....	.....	1	.....	.....
4	Malarial fever.....	Totals	58	6	4	6	3	5	2	4	9	4	6	4	5
		Males	22	.....	4	.....	1	2	1	2	3	.....	5	2	2
		Fem...	36	6	.....	6	2	3	1	2	6	4	1	2	3
5	Smallpox.....	Totals	26	1	3	4	.....	3	4	4	1	3	2	.....	1
		Males	15	1	2	1	.....	3	2	2	1	2	.....	.....	1
		Fem..	11	.....	1	3	.....	.....	2	2	.....	1	2	.....	.....
6	Measles	Totals	194	13	18	27	28	44	34	9	5	5	4	2	5
		Males	103	5	10	13	12	26	22	6	2	1	1	1	4
		Fem..	91	8	8	14	16	18	12	3	3	4	3	1	1
7	Scarlet fever	Totals	210	39	30	31	27	22	19	12	8	5	2	4	11
		Males	105	12	12	14	18	15	8	8	6	2	1	2	7
		Fem..	105	27	18	17	9	7	11	4	2	3	1	2	4
8	Whooping cough	Totals	148	20	30	17	15	10	7	10	6	5	8	11	9
		Males	63	12	13	6	7	3	4	3	4	2	1	5	3
		Fem..	85	8	17	11	8	7	3	7	2	3	7	6	6
9	Diphtheria	Totals	425	70	48	28	37	36	43	23	19	29	22	32	38
		Males..	203	33	23	18	17	12	20	6	9	15	14	16	20
		Fem...	222	37	25	10	20	24	23	17	10	14	8	16	18
9	Croup	Totals	33	6	2	3	4	.....	.....	.....	.....	3	2	6	7
		Males..	20	3	1	1	4	.....	.....	.....	.....	2	2	4	3
		Fem..	13	3	1	2	.....	.....	.....	.....	.....	1	.....	2	4
	Membranous croup.	Totals	57	8	5	5	7	6	2	.....	3	1	5	8	7
		Males..	33	2	2	2	2	3	2	.....	1	1	3	8	7
		Fem...	24	6	3	3	5	3	.....	.....	2	.....	2	.....	.....
10	Influenza	Totals	705	97	197	168	104	47	18	4	5	5	5	20	35
		Males..	340	45	96	73	60	20	9	2	2	2	3	10	18
		Fem...	365	52	101	95	44	27	9	2	3	3	2	10	17
13	Cholera nostras	Totals	34	2	.....	.....	2	2	1	6	11	5	4	.....	1
		Males..	15	2	.....	.....	.....	1	.....	1	7	1	3	.....	.....
		Fem...	19	.....	.....	.....	2	1	1	5	4	4	1	.....	1
14	Dysentery	Totals	138	4	3	7	2	.....	9	9	31	36	28	3	6
		Males..	68	2	2	3	1	.....	3	3	16	18	14	2	4
		Fem...	70	2	1	4	1	.....	6	6	15	18	14	1	2
15	Erysipelas	Totals	105	11	16	18	11	4	6	5	3	5	5	6	15
		Males..	53	8	7	6	8	2	3	2	2	3	3	2	7
		Fem...	52	3	9	12	3	2	3	3	1	2	2	4	8
	Chicken pox	Totals	4	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1
		Males..	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
		Fem...	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
10	German measles	Totals	8	.....	3	2	.....	2	1	.....	.....	.....	.....	.....	.....
		Males..	2	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
		Fem...	6	.....	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....
	Mumps	Totals	5	2	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
		Males..	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem...	4	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years, under five.					Ages by five year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 74.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
6419	972	501	272	282	8446	750	670	1090	1397	1295	1145	1193	1132	1387	1468	1656	2071	2300	2584	2439	3414	57	
3684	499	279	138	144	4744	378	330	531	713	622	553	589	597	759	812	965	1205	1289	1444	1325	1841	44	
2735	473	222	134	138	3702	372	340	559	684	673	592	604	535	628	656	691	866	1011	1140	1114	1573	13	
8	7	6	5	7	33	28	56	96	127	67	45	50	28	31	18	14	12	11	9	6	2	1	1
5	3	3	1	6	18	10	23	52	78	46	28	30	16	11	11	12	4	6	4	1	...	1	
3	4	3	4	1	15	18	30	44	49	21	17	20	12	20	7	2	8	5	5	5	2		
...	...	...	...	...	...	...	1	3	1	...	...	...	...	1	...	...	...	...	1	...	...	...	
...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	1	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	
5	1	...	2	1	9	4	1	7	1	1	5	2	3	4	3	3	...	2	7	4	2	...	4
3	...	...	1	1	5	2	...	2	...	...	2	1	2	...	1	1	...	1	3	1	1	...	
2	1	...	1	...	4	2	1	5	1	1	3	1	1	4	2	2	...	1	4	3	1	...	
6	...	...	...	...	6	2	1	2	2	1	5	2	...	1	1	...	3	...	...	...	...	...	5
3	...	...	...	...	3	1	...	1	2	1	2	1	...	1	...	...	3	...	...	...	...	...	
3	...	...	...	...	3	1	1	1	...	...	3	1	...	...	1	...	...	...	...	...	...	...	
65	42	17	6	8	138	14	8	10	3	2	4	6	1	3	1	...	1	...	2	1	...	...	6
34	25	10	3	4	76	5	3	8	2	1	1	2	1	2	1	...	...	...	...	1	...	...	
31	17	7	3	4	62	9	5	2	1	1	3	4	...	1	...	...	1	...	2	...	...	...	
19	19	30	24	27	119	44	24	10	8	4	1	...	...	...	...	...	...	...	...	...	...	...	7
15	8	13	12	15	63	21	12	3	3	2	1	...	...	...	...	...	...	...	...	...	...	...	
4	11	17	12	12	56	23	12	7	5	2	...	...	...	...	...	...	...	...	...	...	...	...	
94	22	16	4	3	139	7	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	8
46	5	7	2	1	61	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	
48	17	9	2	2	78	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
27	41	43	32	46	189	139	49	26	9	3	1	...	2	1	3	1	...	...	...	1	...	1	
16	25	25	15	22	103	66	18	11	2	...	...	...	...	1	1	1	...	...	...	...	...	...	
11	16	18	17	24	86	73	31	15	7	3	1	...	2	...	2	...	...	...	...	1	...	1	
13	7	2	2	4	28	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
8	5	1	1	4	19	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	2	1	1	...	9	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
8	5	14	6	7	40	13	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	5	9	3	4	26	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	...	5	3	3	14	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
57	8	2	1	4	72	4	12	14	11	7	8	14	16	21	27	27	39	71	92	110	159	1	10
34	5	2	1	1	43	3	9	6	2	3	4	4	10	11	14	11	26	31	38	45	79	1	
23	3	...	...	3	29	1	3	8	9	4	4	10	6	10	13	16	13	40	54	65	80	...	
2	1	...	1	1	5	1	...	1	...	3	...	...	1	1	3	1	6	2	3	5	2	...	13
1	...	...	1	1	3	1	...	1	...	...	...	...	1	...	...	...	3	...	2	4	...	...	
1	1	...	...	...	2	...	...	...	...	3	...	...	...	1	3	1	3	2	1	1	2	...	
27	11	7	5	3	53	5	1	...	3	...	3	3	2	...	1	1	6	9	10	23	18	...	14
16	5	5	3	1	30	1	1	...	1	...	2	2	2	...	...	1	3	3	4	7	11	...	
11	6	2	2	2	23	4	...	...	2	...	1	1	...	...	1	...	3	6	6	16	7	...	
27	1	1	1	...	30	1	...	...	2	3	4	6	2	8	2	5	6	9	10	7	9	1	18
12	1	1	1	...	15	...	...	...	...	...	1	2	1	6	2	2	2	5	4	6	6	1	
15	...	...	...	...	15	1	...	...	2	3	3	4	1	2	...	3	4	4	6	1	3	...	
...	3	1	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1	3	2	...	...	6	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
...	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1	3	...	...	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
2	1	...	...	...	3	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	
2	1	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

Table III.—Continued.—Causes of death in Michigan, by months

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
2,3,11 15, 16 17, 19	Other epidemic diseases	Totals	5	.....	.....	2	.....	.....	1	.....	2	.....	.....	.....	.....
		Males	3	.....	.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....
		Fem	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	Septicemia	Totals	187	16	20	14	18	15	14	14	11	18	14	9	24
		Males	91	11	11	8	11	4	6	5	5	9	4	5	12
		Fem	96	5	9	6	7	11	8	9	6	9	10	4	12
27	Tuberculosis of lungs	Totals	2,306	181	193	230	244	218	189	170	169	163	200	168	181
		Males	1,079	86	97	115	126	99	80	80	79	72	84	82	79
		Fem	1,227	95	96	115	118	119	109	90	90	91	116	86	102
26	Tuberculosis of larynx	Totals	31	2	3	5	4	4	.....	1	3	2	.....	1	6
		Males	20	2	1	3	3	3	.....	.....	2	1	.....	1	4
		Fem	11	.....	2	2	1	1	.....	1	1	1	.....	.....	2
28	Tuberculosis meningitis	Totals	124	8	10	15	9	8	16	15	7	12	7	8	9
		Males	69	3	4	10	2	6	10	7	5	7	6	4	5
		Fem	55	5	6	5	7	2	6	8	2	5	1	4	4
29	Abdominal tuberculosis	Totals	137	9	10	10	16	17	10	21	10	12	9	8	5
		Males	61	3	5	5	6	8	3	12	4	4	7	2	2
		Fem	76	6	5	5	10	9	7	9	6	8	2	6	3
30	Pott's disease	Totals	24	4	2	3	3	1	2	1	1	2	2	2	1
		Males	13	2	2	.....	1	1	2	1	1	.....	1	1	1
		Fem	11	2	.....	3	2	.....	.....	.....	.....	2	1	1	.....
31	Tuberculosis abcess	Totals	10	1	2	2	1	2	1	.....	.....	.....	.....	.....	1
		Males	7	1	1	2	1	1	1	.....	.....	.....	.....	.....	.....
		Fem	3	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	1
32	White swelling	Totals	15	3	1	1	1	2	1	1	.....	3	1	1	.....
		Males	12	3	.....	1	1	1	1	1	.....	3	.....	1	.....
		Fem	3	.....	1	.....	.....	1	.....	.....	.....	.....	1	.....	.....
33	Tuberculosis of other organs	Totals	60	3	6	5	5	2	6	1	5	5	10	4	8
		Males	35	2	5	3	4	1	4	1	2	2	5	3	3
		Fem	25	1	1	2	1	1	2	.....	3	3	5	1	5
34	General tuberculosis	Totals	40	2	8	3	3	1	3	4	3	4	6	.....	3
		Males	17	.....	4	1	2	.....	1	2	2	2	2	.....	1
		Fem	23	2	4	2	1	1	2	2	1	2	4	.....	2
35	Scrofula	Totals	14	1	2	.....	3	.....	2	.....	2	.....	1	2	1
		Males	4	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	1
		Fem	10	1	1	.....	2	.....	1	.....	2	.....	1	2	.....
36-38	Venereal diseases	Totals	101	6	11	11	13	13	7	9	8	6	8	6	3
		Males	59	4	7	7	7	11	3	4	5	1	5	4	1
		Fem	42	2	4	4	6	2	4	5	3	5	3	2	2
39	Cancer of mouth	Totals	80	11	7	6	7	4	6	9	2	9	11	4	4
		Males	60	10	2	5	4	2	5	7	2	8	9	3	3
		Fem	20	1	5	1	3	2	1	2	.....	1	2	1	1
40	Cancer of stomach	Totals	721	49	52	64	68	49	58	66	66	65	64	53	67
		Males	377	23	24	36	40	22	33	34	35	40	31	24	35
		Fem	344	26	28	28	28	27	25	32	31	25	33	29	32
41	Cancer of intestines	Totals	174	14	14	18	14	16	12	19	13	23	7	15	9
		Males	83	5	8	10	4	7	7	11	4	12	2	7	6
		Fem	91	9	6	8	10	9	5	8	9	11	5	8	3
42	Cancer of genital organs	Totals	225	21	18	17	21	15	20	24	13	19	18	19	20
		Males	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
		Fem	223	21	18	17	21	15	19	24	13	19	18	19	19
43	Cancer of breast	Totals	141	14	18	15	13	8	12	10	9	11	16	7	8
		Males	3	.....	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....
		Fem	138	14	18	14	13	8	12	9	9	10	16	7	8

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years, under five.					Ages by five year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
1	...	...	...	...	1	...	1	...	...	...	...	1	...	1	...	...	...	...	1	...	...	..	
...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	1	...	...	..	
1	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	..	
19	5	1	...	2	27	1	5	10	13	19	17	10	7	6	16	12	8	12	7	5	12	..	
11	4	1	...	1	17	1	3	2	1	6	5	6	3	5	11	5	5	4	6	5	6	..	20
8	1	...	...	1	10	...	2	8	12	13	12	4	4	1	5	7	3	8	1	...	6	..	
32	13	8	2	3	58	10	56	249	387	360	261	215	163	132	103	87	78	67	37	24	18	1	
13	7	3	1	2	26	2	18	83	183	160	120	96	90	77	61	47	44	34	20	10	8	..	27
19	6	5	1	1	32	8	38	166	204	200	141	119	73	55	42	40	34	33	17	14	10	1	
1	...	...	...	...	1	...	1	2	5	4	3	3	3	1	6	2	...	...	...	...	...	..	
1	...	...	...	...	1	...	1	1	3	2	2	2	3	1	3	1	...	...	...	...	...	..	26
...	...	...	...	...	...	...	...	1	2	2	1	1	...	...	3	1	...	...	...	...	...	..	
38	15	9	7	8	77	12	8	6	5	5	2	3	2	...	...	...	...	...	4	...	...	..	
24	6	5	3	6	44	6	5	4	3	3	1	...	1	...	...	...	...	...	2	...	...	..	28
14	9	4	4	2	33	6	3	2	2	2	1	3	1	...	...	...	...	...	2	...	...	..	
10	1	1	3	1	16	2	2	19	22	19	4	8	6	7	10	7	4	1	6	1	3	..	
6	...	1	2	...	9	1	...	7	13	8	...	6	3	3	3	5	1	1	1	...	...	..	29
4	1	...	1	1	7	1	2	12	9	11	4	2	3	4	7	2	3	...	5	1	3	..	
2	1	...	...	1	4	1	1	...	1	3	1	3	2	1	...	1	1	1	1	1	2	..	
1	1	...	...	1	3	1	...	...	1	2	...	2	1	...	...	...	...	1	1	...	1	..	30
1	...	...	...	...	1	...	1	...	...	1	1	1	1	1	...	1	1	...	...	1	1	..	
...	...	1	...	...	1	...	...	...	2	1	1	1	...	...	...	1	1	2	...	...	...	..	
...	...	1	...	...	1	...	...	...	1	...	1	...	...	...	...	1	1	2	...	...	...	..	31
...	...	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...	..	
...	1	...	...	...	1	...	3	3	...	1	...	1	2	...	3	...	1	...	...	...	...	..	
...	1	...	...	...	1	...	2	2	...	1	...	1	2	...	2	...	1	...	...	...	...	..	32
...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	..	
4	...	...	...	...	4	1	7	2	4	4	9	7	3	3	2	3	1	2	4	4	...	..	
3	...	...	...	...	3	1	3	1	1	2	8	3	2	2	2	1	1	...	2	3	...	..	33
1	...	...	...	...	1	...	4	1	3	2	1	4	1	1	...	2	...	2	2	1	...	..	
2	...	...	1	1	4	2	4	3	6	1	4	2	1	5	1	1	1	3	2	...	...	..	
1	...	...	...	...	1	...	2	...	3	...	3	...	...	3	1	...	1	1	2	...	...	..	34
1	...	...	1	1	3	2	2	3	3	1	1	2	1	2	...	1	...	2	...	...	...	..	
8	...	...	1	...	9	...	...	1	...	...	1	1	...	...	...	...	...	...	1	1	...	..	
4	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	35
4	...	...	1	...	5	...	...	1	...	...	1	1	...	...	...	...	...	...	1	1	...	..	
70	1	1	1	...	73	...	...	1	2	4	3	4	3	2	3	1	...	1	3	...	...	1	
40	1	...	...	...	41	...	...	...	1	3	...	3	1	2	3	1	...	1	2	...	...	1	36–38
30	...	1	1	...	32	...	...	1	1	1	3	1	2	...	...	...	...	...	1	...	...	..	
...	...	...	...	...	...	...	...	...	1	...	1	2	2	4	8	11	7	9	10	13	12	..	
...	...	...	...	...	...	...	...	...	1	...	1	1	1	3	5	7	4	6	8	12	11	..	39
...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	3	4	3	3	2	1	1	..	
2	...	...	...	...	2	...	3	2	5	3	14	19	30	59	68	89	107	113	112	58	35	2	
2	...	...	...	...	2	...	1	...	4	1	7	5	14	25	36	49	65	59	63	29	16	1	40
...	...	...	...	...	...	...	2	2	1	2	7	14	16	34	32	40	42	54	49	29	19	1	
1	...	...	...	1	2	1	...	1	...	1	3	2	13	18	20	23	27	25	19	12	7	..	
1	...	...	...	...	1	1	...	1	...	1	2	2	4	6	4	12	13	13	10	8	5	..	41
...	...	...	...	1	1	...	...	...	...	...	1	...	9	12	16	11	14	12	9	4	2	..	
1	...	...	...	...	1	...	...	...	...	5	11	7	24	37	35	29	26	24	13	6	7	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	..	42
1	...	...	...	...	1	...	...	...	...	5	11	6	24	37	34	29	26	24	13	6	7	..	
...	...	...	...	...	...	1	...	...	...	2	4	8	9	21	16	15	20	17	15	6	7	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	..	43
...	...	...	...	...	...	1	...	...	...	2	4	8	9	20	16	15	19	17	14	6	7	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
44	Cancer of skin.....	Totals.	85	5	6	8	5	8	6	10	7	8	6	6	10
		Males..	63	4	6	6	4	8	5	6	7	5	4	1	7
		Fem...	22	1	.....	2	1	.....	1	4	.....	3	2	5	3
45	Cancer of other organs.....	Totals.	302	24	19	22	25	21	22	20	32	33	26	24	34
		Males..	163	11	12	11	13	10	12	9	21	18	18	12	16
		Fem...	139	13	7	11	12	11	10	11	11	15	8	12	18
46	Tumors.....	Totals.	65	7	3	6	10	5	7	2	4	3	8	9	1
		Males..	17	1	1	2	3	1	2	1	1	1	2	2	.....
		Fem...	48	6	2	4	7	4	5	1	3	2	6	7	1
47. 48	Rheumatism.....	Totals.	196	20	24	24	30	15	13	8	9	13	13	16	11
		Males..	102	9	12	14	17	8	3	4	5	7	9	9	5
		Fem...	94	11	12	10	13	7	10	4	4	6	4	7	6
50	Diabetes.....	Totals.	298	28	22	24	30	32	28	16	18	24	19	28	29
		Males..	158	16	13	14	15	17	18	6	6	10	10	18	15
		Fem...	140	12	9	10	15	15	10	10	12	14	9	10	14
53, 54	Anemia.....	Totals.	279	26	24	25	37	29	22	32	22	9	18	14	21
		Males..	120	7	11	10	15	14	14	13	6	3	8	7	12
		Fem...	159	19	13	15	22	15	8	19	16	6	10	7	9
56	Alcoholism.....	Totals.	97	10	5	2	9	11	9	10	6	8	7	11	9
		Males..	91	8	5	2	8	11	9	9	5	7	7	11	9
		Fem...	6	2	.....	.....	1	.....	.....	1	1	1	.....	.....	.....
57, 59	Chronic poisonings...	Totals.	25	.....	2	2	3	1	2	5	1	5	2	2	.....
		Males..	8	.....	1	.....	1	.....	.....	2	.....	3	.....	1	.....
		Fem...	17	.....	1	2	2	1	2	3	1	2	2	1	.....
55 etc	Other general diseases	Totals.	63	1	4	8	6	10	5	9	3	4	6	2	5
		Males..	28	1	1	5	1	5	2	3	1	3	3	1	2
		Fem...	35	.....	3	3	5	5	3	6	2	1	3	1	3
60	Encephalitis.....	Totals.	75	6	8	9	6	8	7	4	9	3	3	3	9
		Males..	36	2	5	4	1	3	3	3	7	.....	.....	2	6
		Fem...	39	4	3	5	5	5	4	1	2	3	3	1	3
61	Meningitis.....	Totals.	401	37	26	37	34	42	44	33	31	32	27	24	34
		Males..	225	24	12	27	15	25	23	16	18	18	17	14	16
		Fem...	176	13	14	10	19	17	21	17	13	14	10	10	18
62	Locomotor ataxia...	Totals.	52	2	5	5	2	6	3	6	6	3	8	2	4
		Males..	38	2	3	4	1	6	2	5	4	3	6	1	1
		Fem...	14	.....	2	1	1	.....	1	1	2	.....	2	1	3
63	Other diseases of spinal cord	Totals.	117	10	6	16	9	8	10	8	10	13	10	9	8
		Males..	66	6	2	8	3	2	7	5	7	8	7	6	5
		Fem...	51	4	4	8	6	6	3	3	3	5	3	3	3
64	Apoplexy.....	Totals.	1,473	132	141	154	113	137	95	99	112	101	112	125	152
		Males..	817	71	84	91	57	77	46	57	59	63	54	69	89
		Fem...	656	61	57	63	56	60	49	42	53	38	58	56	63
65	Softening of brain...	Totals.	95	8	6	8	12	7	10	11	4	7	6	11	5
		Males..	50	3	3	6	9	2	4	5	2	4	4	5	3
		Fem...	45	5	3	2	3	5	6	6	2	3	2	6	2
66	Paralysis.....	Totals.	863	74	92	95	81	55	65	49	61	65	79	65	82
		Males..	446	40	51	43	43	21	36	30	33	32	39	37	41
		Fem...	417	34	41	52	38	34	29	19	28	33	40	28	41
67	General paralysis of insane.....	Totals.	175	9	20	22	16	9	7	20	18	16	12	11	15
		Males..	110	7	13	12	10	7	4	11	11	8	8	6	13
		Fem...	65	2	7	10	6	2	3	9	7	8	4	5	2
68	Other forms of mental disease.....	Totals.	103	9	11	14	9	11	7	7	5	8	8	6	8
		Males..	49	3	6	8	5	5	1	6	.....	3	3	4	5
		Fem...	54	6	5	6	4	6	6	1	5	5	5	2	3

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years, under five.					Ages by five year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
....	....	....	....	....	....	....	....	....	....	....	1	1	1	4	7	8	7	10	16	14	16	..	44
....	....	....	....	....	....	....	....	....	....	....	1	1	1	4	6	7	4	10	10	10	9	..	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	3	....	4	6	7	..	
3	1	...	1	....	5	3	1	5	7	5	9	10	15	28	27	27	44	42	29	21	23	1	45
2	1	...	....	....	3	....	....	2	7	2	5	4	4	14	15	13	22	27	20	12	12	1	
1	...	...	1	....	2	3	1	3	....	3	4	6	11	14	12	14	22	15	9	9	11	..	
5	....	1	....	....	6	....	1	2	1	3	4	4	4	6	4	7	6	4	3	5	5	..	46
1	...	1	....	....	2	....	1	....	....	1	1	2	1	....	1	2	1	....	1	3	1	..	
4	...	...	....	....	4	....	....	2	1	2	3	2	3	6	3	5	5	4	2	2	4	..	
1	...	...	....	1	2	6	14	11	9	6	7	9	9	11	5	13	13	18	25	20	17	1	47, 48
....	...	...	....	1	1	2	4	4	6	2	3	4	4	7	2	4	9	15	16	7	11	1	
1	...	...	....	....	1	4	10	7	3	4	4	5	5	4	3	9	4	3	9	13	6	..	
2	1	3	1	....	7	11	15	13	7	10	13	17	16	22	25	17	39	39	24	15	8	.	50
....	1	2	1	....	4	4	6	9	4	4	10	7	7	8	15	10	18	22	16	9	5	..	
2	...	1	....	....	3	7	9	4	3	6	3	10	9	14	10	7	21	17	8	6	3	..	
26	7	2	....	1	36	7	7	11	12	9	12	26	16	19	17	22	25	28	14	9	9	..	53, 54
19	2	1	....	1	23	4	2	4	2	2	6	5	6	8	7	13	10	13	7	7	1	..	
7	5	1	....	....	13	3	5	7	10	7	6	21	10	11	10	9	15	15	7	2	8	..	
....	....	....	....	....	....	....	....	....	1	5	9	10	20	10	17	5	13	1	3	1	....	2	56
....	....	....	....	....	....	....	....	....	1	4	8	10	20	9	15	5	12	1	3	1	....	2	
....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	2	....	1	....	....	....	....	..	
....	....	....	....	....	....	....	1	....	....	1	2	....	....	3	2	2	....	6	4	2	2	..	57, 59
....	....	....	....	....	....	....	1	....	....	1	1	....	....	1	....	....	....	3	1	....	....	..	
....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	2	2	....	3	3	2	2	..	
9	1	...	....	1	11	....	2	1	3	3	3	7	6	8	4	2	6	2	2	2	1	..	55 etc.
4	...	...	....	....	4	....	....	1	1	2	1	2	4	4	3	....	3	1	1	....	1	..	
5	1	...	....	1	7	....	2	....	2	1	2	5	2	4	1	2	3	1	1	2	....	..	
26	11	3	2	1	43	11	....	....	2	1	2	1	1	2	....	3	5	2	2	....	....	..	60
15	4	2	....	....	21	6	....	....	1	1	1	....	....	....	....	1	2	1	2	....	....	..	
11	7	1	2	1	22	5	....	....	1	....	1	1	1	2	....	2	3	1	....	....	....	..	
131	51	32	12	15	241	37	27	26	15	10	5	3	3	9	6	4	9	1	1	1	3	..	61
80	31	18	5	9	143	18	8	10	8	5	4	2	3	7	5	2	5	....	1	1	3	..	
51	20	14	7	6	98	19	19	16	7	5	1	1	....	2	1	2	4	1	....	....	....	..	
1	...	...	....	....	1	....	....	1	....	....	1	3	2	5	8	10	6	5	6	2	2	..	62
1	...	...	....	....	1	....	....	1	....	....	....	3	1	3	5	7	5	5	4	1	2	..	
....	....	....	....	....	....	....	....	....	....	....	1	....	1	2	3	3	1	....	2	1	....	..	
6	2	1	1	....	10	1	1	3	2	2	5	5	9	5	12	6	16	17	8	10	5	..	63
2	1	1	....	....	4	....	....	2	2	....	....	1	6	3	6	5	10	11	5	7	4	..	
4	1	...	1	....	6	1	1	1	....	2	5	4	3	2	6	1	6	6	3	3	1	..	
38	6	1	....	2	47	3	4	9	10	8	17	26	36	71	87	122	168	198	211	219	237	..	64
20	1	...	....	....	21	2	1	3	5	4	10	14	24	41	49	67	97	104	135	105	135	..	
18	5	1	....	2	26	1	3	6	5	4	7	12	12	30	38	55	71	94	76	114	102	..	
....	....	....	....	....	....	1	....	....	....	....	....	1	....	4	5	6	12	12	16	19	19	..	65
....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4	4	7	5	8	10	10	..	
....	....	....	....	....	....	1	....	....	....	....	....	1	....	2	1	2	5	7	8	9	9	..	
11	2	2	....	3	18	3	1	3	6	3	5	14	14	25	29	58	73	110	136	157	207	1	66
4	1	...	....	2	7	2	1	2	4	1	3	7	11	10	14	32	35	60	76	79	102	..	
7	1	2	....	1	11	1	....	1	2	2	2	7	3	15	15	26	38	50	60	78	105	1	
....	....	....	....	....	....	....	....	....	....	1	10	6	21	14	15	9	16	122	17	18	26	..	67
....	....	....	....	....	....	....	....	....	....	1	5	5	16	7	12	6	5	13	9	10	21	..	
....	....	....	....	....	....	....	....	....	....	....	5	1	5	7	3	3	11	9	8	8	5	..	
1	...	...	....	....	1	....	1	....	5	3	6	11	8	10	9	7	15	6	7	6	6	2	68
1	...	...	....	....	1	....	1	....	4	....	3	4	5	2	4	3	8	3	5	4	1	1	
....	....	....	....	....	....	....	....	....	1	3	3	7	3	8	5	4	7	3	2	2	5	1	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of deaths, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
(74)	Other diseases of the brain	Totals.	80	5	9	7	8	6	3	10	4	5	10	4	9
		Males.	50	3	7	4	5	4	2	4	3	3	6	2	7
		Fem.	30	2	2	3	3	2	1	6	1	2	4	2	2
69	Epilepsy	Totals.	150	15	12	11	16	14	13	11	9	11	14	10	14
		Males.	91	5	8	6	8	9	8	10	5	5	10	7	10
		Fem.	59	10	4	5	8	5	5	1	4	6	4	3	4
70,71	Convulsions	Totals.	505	37	53	45	57	54	32	35	43	33	29	36	51
		Males.	277	15	29	25	30	30	17	23	23	20	16	24	25
		Fem.	228	22	24	20	27	24	15	12	20	13	13	12	26
72	Tetanus	Totals.	33	2	1	3	2	3	3	5	4	4	2	1	3
		Males.	24	2	1	1	2	1	1	5	3	3	1	1	3
		Fem.	9	.....	.....	2	.....	2	2	.....	1	1	1	.....	.....
73,76	Other diseases of nervous system	Totals.	134	13	12	10	16	18	13	12	9	6	6	7	12
		Males.	61	8	9	3	8	7	4	7	1	1	4	5	4
		Fem.	73	5	3	7	8	11	9	5	8	5	2	2	8
77	Pericarditis	Totals.	64	5	3	3	10	7	4	2	8	2	6	8	6
		Males.	43	2	2	1	8	3	2	2	5	2	4	7	5
		Fem.	21	3	1	2	2	4	2	.....	3	.....	2	1	1
78	Endocarditis	Totals.	156	13	13	14	17	16	21	9	9	12	10	15	7
		Males.	76	5	7	8	8	3	12	4	5	7	4	9	4
		Fem.	80	8	6	6	9	13	9	5	4	5	6	6	3
79	Heart disease	Totals.	3,556	306	313	346	344	339	270	275	255	240	273	266	329
		Males.	2,012	184	157	200	193	194	153	158	145	137	154	148	189
		Fem.	1,544	122	156	146	151	145	117	117	110	103	119	118	140
80	Angina pectoris	Totals.	205	21	27	16	9	21	16	13	11	21	10	23	17
		Males.	124	14	19	12	5	10	3	9	7	12	7	14	12
		Fem.	81	7	8	4	4	11	13	4	4	9	3	9	5
81	Disease of arteries	Totals.	174	16	13	15	18	10	15	14	13	15	13	17	15
		Males.	109	12	7	10	8	6	9	10	7	8	8	11	13
		Fem.	65	4	6	5	10	4	6	4	6	7	5	6	2
82	Embolism and thrombosis	Totals.	86	8	8	6	6	8	10	11	7	2	5	7	8
		Males.	37	2	5	3	3	4	6	4	2	1	3	1	3
		Fem.	49	6	3	3	3	4	4	7	5	1	2	6	5
83	Diseases of veins	Totals.	12	1	2	.....	.....	.....	1	1	1	.....	1	2	3
		Males.	6	.....	1	.....	.....	.....	1	1	.....	.....	1	1	1
		Fem.	6	1	1	.....	.....	.....	.....	.....	1	.....	.....	1	2
84	Diseases of lymphatics	Totals.	5	.....	.....	1	1	.....	.....	.....	2	.....	1	.....	.....
		Males.	3	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....
		Fem.	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....
85,86	Other diseases of circulatory system	Totals.	54	6	5	3	9	1	4	2	4	5	4	5	6
		Males.	28	5	3	3	7	.....	2	1	3	1	1	1	3
		Fem.	26	1	2	.....	4	1	2	1	1	4	3	4	3
88	Laryngitis	Totals.	14	5	2	1	1	1	.....	1	1	.....	.....	.....	2
		Males.	9	3	1	.....	1	1	.....	1	1	.....	.....	.....	1
		Fem.	5	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1
	Other diseases of the larnyx	Totals.	27	6	2	2	1	5	.....	1	.....	3	2	3	2
		Males.	12	3	1	2	.....	2	.....	1	.....	.....	1	1	1
		Fem.	15	3	1	.....	1	3	.....	.....	.....	3	1	2	1
89	Diseases of the thyroid body	Totals.	6	.....	2	2	.....	1	.....	.....	.....	1	.....	.....	.....
		Males.	4	.....	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....
		Fem.	2	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....
90	Acute bronchitis	Totals.	447	53	55	54	53	42	27	23	14	17	21	34	54
		Males.	252	27	28	32	28	28	16	13	7	11	16	20	26
		Fem.	195	26	27	22	25	14	11	10	7	6	5	14	28

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years, under five.					Ages by five year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
6	4	...	...	...	10	1	...	3	2	3	4	7	6	11	6	3	4	8	6	3	3	..	74
6	2	...	...	...	8	...	...	3	...	2	3	6	2	8	2	2	2	5	2	3	2	..	
...	2	...	...	...	2	1	...	...	2	1	1	1	4	3	4	1	2	3	4	...	1	..	
13	2	...	1	3	19	4	7	9	12	14	9	10	4	5	13	6	10	6	7	4	10	1	69
8	...	...	1	1	10	2	7	6	8	8	2	6	...	4	9	1	8	3	6	3	7	1	
5	2	...	...	2	9	2	...	3	4	6	7	4	4	1	4	5	2	3	1	1	3	..	
423	36	10	4	6	479	4	...	2	4	4	2	2	...	1	...	...	2	1	2	1	1	..	70, 71
238	20	6	2	2	268	...	...	1	...	2	1	...	...	...	...	...	2	1	...	1	1	..	
185	16	4	2	4	211	4	...	1	4	2	1	2	...	1	...	...	...	...	2	...	...	..	
6	...	...	...	1	7	1	8	2	2	3	4	...	1	1	...	...	2	1	1	...	...	..	72
1	...	...	...	1	2	...	8	1	2	2	4	...	1	...	...	...	2	1	1	...	...	..	
5	...	...	...	...	5	1	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	..	
11	2	1	...	...	14	2	6	11	2	2	6	6	6	12	8	7	11	10	6	11	14	..	73, 76
4	2	...	...	...	6	2	1	6	...	1	3	3	2	3	5	5	4	5	3	4	8	..	
7	...	1	...	...	8	...	5	5	2	1	3	3	4	9	3	2	7	5	3	7	6	..	
2	...	...	...	...	2	4	3	3	1	1	2	2	6	1	1	9	3	8	7	7	4	..	77
1	...	...	...	...	1	3	3	2	1	1	1	2	3	1	...	6	2	5	5	4	3	..	
1	...	...	...	...	1	1	...	1	...	...	1	...	3	...	1	3	1	3	2	3	1	..	
3	1	2	1	...	7	11	5	10	7	4	7	3	14	5	8	11	13	15	14	14	8	..	78
3	...	2	1	...	6	6	2	5	3	1	2	3	6	1	2	5	8	10	6	8	2	..	
...	1	...	...	...	1	5	3	5	4	3	5	...	8	4	6	6	5	5	8	6	6	..	
63	4	4	4	5	80	37	46	48	38	64	69	85	110	157	187	302	398	438	574	448	469	6	79
35	3	1	1	1	41	16	20	23	22	32	29	41	50	84	89	185	258	264	326	265	261	6	
28	1	3	3	4	39	21	26	25	16	32	40	44	60	73	98	117	140	174	248	183	208	..	
2	...	...	...	...	2	1	1	1	3	8	7	6	5	13	17	21	24	28	28	16	23	1	80
...	...	...	...	...	...	1	1	1	2	4	2	4	2	6	9	16	18	15	18	7	17	1	
2	...	...	...	...	2	...	...	...	1	4	5	2	3	7	8	5	6	13	10	9	6	..	
...	...	...	...	...	...	...	...	...	...	...	1	...	1	2	5	5	21	31	27	23	56	2	81
...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	4	5	12	23	18	13	31	1	
...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	9	8	9	10	25	1	
4	1	...	...	...	5	...	1	3	1	5	7	6	6	2	3	8	8	13	5	5	8	..	82
3	1	...	...	...	4	...	...	1	...	1	3	2	2	1	3	3	6	7	...	1	3	..	
1	...	...	...	...	1	...	1	2	1	4	4	4	4	1	...	5	2	6	5	4	5	..	
1	...	...	...	...	1	...	...	...	...	1	...	...	...	1	2	...	2	2	2	1	...	..	83
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	1	1	...	...	..	
1	...	...	...	...	1	...	...	...	...	1	...	...	...	1	...	...	...	1	1	1	...	..	
3	...	...	...	1	4	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	..	84
1	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	..	
2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
26	1	...	1	2	30	1	...	1	2	1	2	3	4	1	1	1	2	...	1	...	4	..	85, 86
16	1	...	1	1	19	1	...	1	...	...	...	2	2	...	1	1	...	...	...	...	1	..	
10	...	...	...	1	11	...	...	...	2	1	2	1	2	1	...	...	2	...	1	...	3	..	
4	1	2	3	...	10	...	...	...	...	...	...	...	...	...	...	2	...	1	1	...	...	..	88
3	...	1	2	...	6	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...	..	
1	1	1	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	..	
14	2	4	...	1	21	2	...	...	1	...	2	...	...	...	1	...	...	...	...	...	...	..	
4	2	2	...	...	8	2	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	..	
10	...	2	...	1	13	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	..	
1	...	...	...	...	1	...	...	2	...	...	...	...	...	1	...	...	...	...	1	...	1	..	89
1	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	..	
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	..	
290	54	12	3	5	364	7	3	1	1	2	2	1	...	2	2	3	6	6	8	17	22	..	90
176	24	6	1	4	211	4	...	1	1	1	1	...	...	1	1	2	3	2	3	11	10	..	
114	30	6	2	1	153	3	3	...	...	1	1	1	...	1	1	1	3	4	5	6	12	..	

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Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
91	Chronic bronchitis....	Totals.	381	36	47	53	41	47	20	17	23	22	21	31	23
		Males.	184	21	23	25	17	24	10	12	10	11	15	8	8
		Fem...	197	15	24	28	24	23	10	5	13	11	6	23	15
92	Bronchopneumonia...	Totals.	545	82	89	62	56	58	47	14	10	19	22	39	47
		Males..	270	42	40	34	28	28	28	6	7	10	12	14	21
		Fem...	275	40	49	28	28	30	19	8	3	9	10	25	26
93	Pneumonia.....	Totals.	2,101	321	384	320	244	202	93	56	33	56	79	111	202
		Males..	1,164	163	209	184	139	118	44	29	21	31	47	72	107
		Fem...	937	158	175	136	105	84	49	27	12	25	32	39	95
94	Pleurisy.....	Totals.	57	5	6	6	9	6	2	2	2	3	6	5	5
		Males..	38	4	4	4	6	4	1	1	1	2	4	5	2
		Fem...	19	1	2	2	3	2	1	1	1	1	2	.....	3
95	Congestion of lungs..	Totals.	168	17	25	12	15	18	10	11	11	8	11	14	16
		Males..	87	7	11	8	8	10	9	5	5	3	6	6	9
		Fem...	81	10	14	4	7	8	1	6	6	5	5	8	7
96	Gangrene of lungs....	Totals.	6	.....	.....	.....	.....	.....	2	3	.....	1	.....	.....	.....
		Males..	3	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....
		Fem...	3	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....
97,98	Asthma and emphysema.....	Totals.	111	12	17	11	7	8	8	6	7	9	9	6	11
		Males..	58	5	8	7	5	3	3	3	5	5	3	6	5
		Fem...	53	7	9	4	2	5	5	3	2	4	6	.....	6
99	Hemorrhage of lungs.	Totals.	46	3	4	2	5	5	5	1	3	3	4	6	5
		Males..	31	1	3	1	3	2	4	1	3	3	3	3	4
		Fem...	15	2	1	1	2	3	1	.....	.....	.....	1	3	1
	Other diseases of respiratory organs....	Totals.	88	10	13	10	9	11	3	7	1	7	7	3	7
		Males..	52	4	8	4	5	7	2	5	.....	3	6	1	7
		Fem...	36	6	5	6	4	4	1	2	1	4	1	2	.....
100	Diseases of the mouth	Totals.	24	4	3	.....	1	3	1	3	1	4	3	1	.....
		Males..	14	2	2	.....	.....	2	1	1	.....	3	2	1	.....
		Fem...	10	2	1	.....	1	1	.....	2	1	1	1	.....	.....
101	Tonsilitis.....	Totals.	33	2	3	1	7	4	3	1	2	3	2	1	4
		Males..	16	1	1	.....	3	1	2	1	1	2	.....	1	3
		Fem...	17	1	2	1	4	3	1	.....	1	1	2	.....	1
	Other diseases of pharynx.....	Totals.	32	2	4	2	3	7	2	2	1	1	2	4	2
		Males..	21	2	2	1	1	5	1	2	.....	1	1	3	2
		Fem...	11	.....	2	1	2	2	1	.....	1	.....	1	1	.....
103	Ulcer of stomach.....	Totals.	79	8	9	4	7	5	3	6	12	6	6	4	9
		Males..	38	4	4	3	2	2	3	3	6	1	4	2	4
		Fem...	41	4	5	1	5	3	.....	3	6	5	2	2	5
104	Gastritis.....	Totals	258	27	21	28	26	20	22	24	13	25	16	16	20
		Males..	126	13	10	14	14	9	12	11	5	13	6	8	11
		Fem...	132	14	11	14	12	11	10	13	8	12	10	8	9
	Other diseases of stomach.....	Totals	277	44	17	18	26	26	15	23	21	23	20	16	28
		Males..	144	24	8	10	12	11	8	15	7	12	14	8	15
		Fem...	133	20	9	8	14	15	7	8	14	11	6	8	13
(314)	Dentition.....	Totals.	14	1	2	1	.....	1	1	3	.....	1	1	2	1
		Males..	7	.....	2	.....	.....	1	1	1	.....	.....	1	1	.....
		Fem...	7	1	.....	1	.....	.....	.....	2	.....	1	.....	1	1
105	Diarrhea and enteritis (under 2 years)	Totals.	1,504	49	51	56	52	56	63	211	353	324	173	71	45
		Males..	846	24	32	37	27	33	39	105	196	178	111	37	27
		Fem...	658	25	19	19	25	23	24	106	157	146	62	34	18
106	Diarrhea and enteritis (over 2 years)	Totals.	502	26	33	23	32	31	30	31	72	96	66	33	29
		Males..	274	14	20	12	21	16	16	19	33	46	42	16	19
		Fem...	228	12	13	11	11	15	14	12	39	50	24	17	10

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years under five.					Ages by five year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80. +	Unknown.	
10	1	1	....	....	12	3	1	6	5	5	5	8	6	7	16	17	35	41	54	64	96	..	91
5	1	1	....	....	7	3	1	1	2	3	1	4	1	6	6	9	21	25	22	25	47	..	
5	...	...	....	....	5	....	....	5	3	2	4	4	5	1	10	8	14	16	32	39	49	..	
247	67	25	8	10	357	11	2	2	8	8	5	4	5	4	5	14	14	19	30	21	36	..	92
143	35	10	5	1	194	4	1	1	5	4	2	1	3	3	3	7	5	11	11	8	7	..	
104	32	15	3	9	163	7	1	1	3	4	3	3	2	1	2	7	9	8	19	13	29	..	
418	118	45	23	19	623	45	32	74	72	73	71	67	93	85	97	117	115	129	122	129	153	4	93
241	66	25	11	8	351	21	10	41	45	32	43	45	61	56	63	69	64	66	58	59	77	3	
177	52	20	12	11	272	24	22	33	27	41	28	22	32	29	34	48	51	63	64	70	76	1	
1	...	1	....	....	2	....	2	1	4	3	4	2	4	3	4	5	4	4	6	6	3	..	94
1	...	1	....	....	2	....	1	1	3	2	3	....	3	2	2	3	3	3	5	3	2	..	
....	...	...	....	....	....	....	1	....	1	1	1	2	1	1	2	2	1	1	1	3	1	..	
51	6	3	1	1	62	2	3	4	7	2	4	2	2	7	3	1	6	11	13	18	21	..	95
31	2	3	1	....	37	1	2	3	5	....	1	2	2	2	1	....	3	8	6	9	5	..	
20	4	...	....	1	25	1	1	1	2	2	3	....	....	5	2	1	3	3	7	9	16	..	
....	...	...	....	....	....	....	....	....	....	....	1	....	1	2	1	....	1	....	....	....	....	..	96
....	...	...	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	....	..	
....	...	...	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	..	
2	1	...	....	....	3	....	....	1	....	1	1	2	2	9	4	7	13	16	20	19	13	..	97, 98
1	...	...	....	....	1	....	....	....	....	1	....	1	1	5	1	3	7	10	8	11	9	..	
1	1	...	....	....	2	....	....	1	....	....	1	1	1	4	3	4	6	6	12	8	4	..	
1	1	...	....	....	2	....	....	....	2	3	5	2	4	8	2	3	6	5	3	1	....	..	99
1	1	...	....	....	2	....	....	....	2	3	2	1	4	6	1	2	4	2	1	1	....	..	
....	...	...	....	....	....	....	....	....	....	....	3	1	....	2	1	1	2	3	2	....	....	..	
7	1	3	1	1	13	1	....	2	6	3	4	2	6	3	....	5	6	10	8	10	9	..	
5	1	2	1	....	9	....	....	1	4	1	3	1	4	2	....	3	4	8	4	4	4	..	
2	...	1	....	1	4	1	....	1	2	2	1	1	2	1	....	2	2	2	4	6	5	..	
18	2	1	....	1	22	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	..	100
10	1	1	....	1	13	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	..	
8	1	...	....	....	9	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	..	
6	3	2	2	1	14	5	3	1	1	....	1	1	....	....	1	....	....	1	3	1	1	..	101
3	2	...	1	....	6	4	1	....	....	....	1	1	....	....	1	....	....	1	1	....	....	..	
3	1	2	1	1	8	1	2	1	1	....	....	....	....	....	....	....	....	....	2	1	1	..	
6	...	2	....	1	9	2	3	1	2	1	....	....	....	1	2	1	3	1	....	2	4	..	
3	...	2	....	1	6	2	2	....	2	1	....	....	....	1	....	1	2	....	....	1	3	..	
3	...	...	....	....	3	....	1	1	....	....	....	....	....	....	2	....	1	1	....	1	1	..	
2	...	1	....	....	3	....	....	2	5	1	3	5	6	4	9	6	10	5	10	8	2	..	103
1	...	...	....	....	1	....	....	1	1	1	....	4	4	3	4	2	4	4	5	3	1	..	
1	...	1	....	....	2	....	....	1	4	....	3	1	2	1	5	4	6	1	5	5	1	..	
48	5	4	1	2	60	1	....	3	6	6	5	8	2	7	15	12	30	24	24	25	30	..	104
27	1	2	....	1	31	....	....	1	2	3	2	3	2	4	6	9	13	10	12	14	14	..	
21	4	2	1	1	29	1	....	2	4	3	3	5	....	3	9	3	17	14	12	11	16	..	
103	16	7	2	2	130	2	2	1	4	....	5	5	7	6	11	14	12	15	19	20	24	..	
53	9	4	1	....	67	1	1	....	....	....	2	1	1	6	5	8	7	9	11	15	10	..	
50	7	3	1	2	63	1	1	1	4	....	3	4	6	....	6	6	5	6	8	5	14	..	
8	4	1	1	....	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	314
4	1	1	1	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
4	3	...	....	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
1294	210	...	....	....	1504	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	105
745	101	...	....	....	846	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
549	109	...	....	....	658	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
....	...	87	48	17	152	26	13	6	6	11	7	9	8	10	15	17	28	30	43	39	81	1	106
....	...	42	24	9	75	14	7	3	4	2	5	5	3	3	10	11	20	17	22	26	46	1	
....	...	45	24	8	77	12	6	3	2	9	2	4	5	7	5	6	8	13	21	13	35	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904. Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
108	Hernia	Totals	56	7	.....	2	7	6	2	7	5	8	.....	7	5
		Males	32	1	.....	1	3	3	2	5	3	5	.....	6	3
		Fem.	24	6	.....	1	4	3	.....	2	2	3	.....	1	2
	Obstruction of intestines	Totals	204	16	17	22	19	17	19	22	16	15	19	11	11
		Males	121	8	13	14	10	7	13	14	10	5	12	7	8
		Fem.	83	8	4	8	9	10	6	8	6	10	7	4	3
107, 109	Other diseases of intestines	Totals	78	4	6	8	7	8	5	6	6	5	7	7	9
		Males	41	2	1	5	3	3	2	2	5	4	4	6	4
		Fem.	37	2	5	3	4	5	3	4	1	1	3	1	5
110	Acute yellow atrophy of liver	Totals	14	2	1	2	1	.....	1	.....	1	2	1	2	1
		Males	8	1	1	1	1	.....	1	.....	1	1	.....	.....	1
		Fem.	6	1	.....	1	.....	.....	.....	.....	.....	1	1	2	.....
111	Hydatid tumors of liver	Totals	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
		Males	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
112	Cirrhosis of liver	Totals	243	18	17	30	23	21	12	22	20	19	23	12	26
		Males	153	14	11	17	13	14	10	14	12	6	17	9	16
		Fem.	90	4	6	13	10	7	2	8	8	13	6	3	10
113	Biliary calculi	Totals	59	4	3	3	8	6	2	4	5	5	6	6	7
		Males	30	3	3	2	5	4	.....	4	1	2	2	1	3
		Fem.	29	1	.....	1	3	2	2	.....	4	3	4	5	4
114	Other diseases of liver	Totals	193	18	18	19	22	25	13	15	9	17	10	10	17
		Males	90	8	6	7	11	10	9	5	5	10	5	4	10
		Fem.	103	10	12	12	11	15	4	10	4	7	5	6	7
115	Diseases of spleen	Totals	18	1	1	1	2	.....	1	1	2	4	1	2	2
		Males	8	1	.....	.....	1	.....	.....	1	1	3	.....	.....	1
		Fem.	10	.....	1	1	1	.....	1	.....	1	1	1	2	1
116	Peritonitis	Totals	338	25	37	35	29	27	24	27	26	27	29	23	29
		Males	123	9	12	11	9	7	9	11	9	9	14	13	10
		Fem.	215	17	25	24	20	20	15	15	17	18	15	10	19
118	Appendicitis	Totals	336	36	38	33	26	23	36	25	36	19	22	20	22
		Males	209	24	20	27	18	14	20	16	22	14	10	13	11
		Fem.	127	12	18	6	8	9	16	9	14	5	12	7	11
117	Other diseases of digestive system	Totals	3	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....
		Males	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
119	Acute nephritis	Totals	163	16	19	14	8	24	11	12	7	7	19	11	15
		Males	73	8	9	8	4	9	5	4	1	3	10	5	7
		Fem.	90	8	10	6	4	15	6	8	6	4	9	6	8
120	Bright's disease	Totals	1,335	128	121	122	133	98	86	117	104	106	91	115	111
		Males	763	71	57	67	80	59	46	64	59	65	53	69	73
		Fem.	572	57	64	55	56	39	40	53	45	41	38	46	38
121	Other diseases of kidneys	Totals	79	3	14	5	8	10	3	4	7	3	7	7	8
		Males	50	3	8	4	6	5	2	3	6	2	4	3	4
		Fem.	29	.....	6	1	2	5	1	1	1	1	3	4	4
122	Calculi of urinary tract	Totals	5	.....	1	1	.....	.....	1	.....	1	.....	1	.....	.....
		Males	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	4	.....	1	.....	.....	.....	1	.....	1	.....	1	.....	.....
123	Diseases of bladder	Totals	137	8	14	20	13	7	7	14	12	10	8	12	12
		Males	110	7	11	17	12	7	5	12	10	8	4	8	9
		Fem.	27	1	3	3	1	.....	2	2	2	2	4	4	3
129	Uterine tumor	Totals	46	8	2	1	6	1	5	3	5	3	2	4	6
		Males	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	46	8	2	1	6	1	5	3	5	3	2	4	6

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years under five.					Ages by five year periods.																	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	Classification No.
6	...	...	...	...	6	...	...	1	...	1	...	1	1	3	5	8	3	7	9	3	8	..	108
5	...	...	...	...	5	...	...	1	...	1	...	...	1	1	2	5	...	5	5	1	5	..	
1	...	...	...	...	1	...	...	...	...	...	...	1	...	2	3	3	3	2	4	2	3	..	
32	5	4	2	4	47	5	4	6	3	9	5	13	4	13	9	14	15	14	12	16	15	..	
20	3	3	2	2	30	3	3	5	1	8	2	4	...	6	4	8	9	11	7	10	10	..	
12	2	1	...	2	17	2	1	1	2	1	3	9	4	7	5	6	6	3	5	6	5	..	
28	2	2	...	...	32	...	...	4	3	3	5	3	1	2	3	1	1	5	9	2	4	..	107, 109
13	1	1	...	...	15	...	...	4	1	2	1	1	...	1	...	...	1	4	6	2	3	..	
15	1	1	...	...	17	...	...	...	2	1	4	2	1	1	3	1	...	1	3	...	1	..	
...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	2	...	...	1	3	2	1	..	110
...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	2	1	1	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	1	1	1	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	..	111
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
1	1	1	...	...	3	...	...	4	3	2	4	9	12	25	41	30	27	25	31	19	8	..	112
...	...	1	...	...	1	...	...	4	1	1	2	5	9	19	30	23	14	13	19	9	3	..	
1	1	...	...	...	2	...	...	...	2	1	2	4	3	6	11	7	13	12	12	10	5	..	
3	...	...	...	...	3	...	...	...	...	3	...	2	3	6	4	7	6	13	7	3	2	..	113
2	...	...	...	...	2	...	...	...	...	3	...	1	1	5	1	2	3	5	4	1	2	..	
1	...	...	...	...	1	...	...	...	...	...	...	1	2	1	3	5	3	8	3	2	...	..	
10	...	2	...	1	13	9	1	3	2	1	7	8	10	8	21	11	22	12	30	20	15	..	114
7	...	2	...	1	10	4	1	1	1	...	4	2	5	3	14	5	12	5	14	4	5	..	
3	...	...	...	...	3	5	...	2	1	1	3	6	5	5	7	6	10	7	16	16	10	..	
2	1	1	...	...	4	...	...	...	...	...	...	...	...	2	2	2	2	2	4	...	...	..	115
...	...	1	...	...	1	...	...	...	...	...	...	...	...	1	1	1	1	...	3	...	...	..	
2	1	...	...	...	3	...	...	...	...	...	...	...	...	1	1	1	1	2	1	...	...	..	
27	3	2	2	2	36	19	20	29	39	40	20	27	19	19	12	11	14	8	15	4	6	..	116
14	1	2	...	1	18	9	7	13	10	6	1	5	4	11	4	7	8	5	8	4	3	..	
13	2	...	2	1	18	10	13	16	29	34	19	22	15	8	8	4	6	3	7	...	3	..	
3	1	...	2	1	7	44	48	57	40	34	24	16	14	9	10	13	9	3	3	2	3	..	118
3	1	...	1	1	6	20	25	35	26	22	18	12	11	6	5	8	6	2	3	2	2	..	
...	...	...	1	...	1	24	23	22	14	12	6	4	3	3	5	5	3	1	...	...	1	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	...	...	..	117
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	..	
10	9	4	2	5	30	12	6	8	4	10	9	15	5	7	4	6	12	9	9	9	8	..	119
6	2	1	2	4	15	7	2	2	2	4	1	8	...	2	1	4	6	5	4	6	4	..	
4	7	3	...	1	15	5	4	6	2	6	8	7	5	5	3	2	6	4	5	3	4	..	
19	1	3	2	5	30	9	17	19	36	30	42	65	49	88	92	121	142	167	163	132	132	1	120
12	1	2	1	3	19	4	8	7	15	10	16	33	25	46	48	76	88	99	97	85	86	1	
7	...	1	1	2	11	5	9	12	21	20	26	32	24	42	44	45	54	68	66	47	46	..	
5	2	1	...	...	8	1	2	5	1	2	3	...	1	2	5	3	6	5	6	13	16	..	121
4	1	1	...	...	6	...	1	1	1	...	...	...	...	1	4	2	5	4	6	8	11	..	
1	1	...	...	...	2	1	1	4	...	2	3	...	1	1	1	1	1	1	...	5	5	..	
1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	1	1	..	122
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	..	
1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	..	
3	...	...	...	...	3	1	...	1	1	1	3	1	3	4	3	4	7	10	17	31	46	1	123
3	...	...	...	...	3	...	...	1	...	1	1	...	1	4	2	4	6	9	17	23	38	..	
...	...	...	...	...	...	1	...	...	1	...	2	1	2	...	1	...	1	1	...	8	8	1	
...	...	...	...	...	...	...	...	...	...	2	...	8	9	6	4	4	5	5	2	1	...	..	129
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	2	...	8	9	6	4	4	5	5	2	1	...	..	

Table III.—Continued.—Causes of death in Michigan by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
127, 128, 130	Other diseases of uterus	Totals.	32	2	5	3	3	2	3	1	.....	4	2	1	6
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	32	2	5	3	3	2	3	1	.....	4	2	1	6
131	Ovarian tumor	Totals.	47	6	5	4	3	7	2	4	3	7	.....	3	3
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	47	6	5	4	3	7	2	4	3	7	.....	3	3
124–126, 132, 133	Diseases of tubes	Totals.	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	Other diseases of geni-to-urinary system	Totals.	164	16	12	17	19	17	12	10	12	13	9	14	13
		Males.	145	14	11	16	15	16	11	9	10	13	7	12	11
		Fem.	19	2	1	1	4	1	1	1	2	.....	2	2	2
137	Puerperal septicemia	Totals.	223	28	24	15	15	24	23	20	15	17	14	14	14
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	223	28	24	15	15	24	23	20	15	17	14	14	14
138	Puerperal convulsions	Totals.	88	8	5	11	10	9	10	8	5	9	5	3	5
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	88	8	5	11	10	9	10	8	5	9	5	3	5
134–136, 139–141	Other causes incident to childbirth	Totals.	125	11	14	9	18	9	7	8	9	8	14	9	9
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	125	11	14	9	18	9	7	8	9	8	14	9	9
142	Gangrene	Totals.	127	8	14	14	12	16	5	10	8	7	7	9	17
		Males.	78	5	9	8	8	13	2	6	5	5	3	3	11
		Fem.	49	3	5	6	4	3	3	4	3	2	4	6	6
143	Carbuncle	Totals.	8	1	.....	1	1	.....	1	1	3	.....	.....	.....	.....
		Males.	6	1	.....	1	.....	.....	1	1	2	.....	.....	.....	.....
		Fem.	2	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
144	Abscess	Totals.	37	2	2	4	1	4	3	4	7	.....	5	1	4
		Males.	18	1	1	2	1	3	1	3	3	.....	1	1	1
		Fem.	19	1	1	2	.....	1	2	1	4	.....	4	.....	3
145	Other diseases of skin	Totals.	23	.....	1	4	4	.....	3	2	2	1	4	1	1
		Males.	13	.....	1	2	4	.....	1	1	2	1	.....	.....	1
		Fem.	10	.....	.....	2	.....	.....	2	1	.....	.....	4	1	.....
146	Diseases of bones	Totals.	49	1	5	4	6	3	1	3	7	5	5	5	4
		Males.	29	.....	2	2	4	1	.....	1	6	3	5	3	2
		Fem.	20	1	3	2	2	2	1	2	1	2	.....	2	2
147	Diseases of joints	Totals.	6	.....	1	.....	.....	1	1	.....	.....	1	.....	.....	2
		Males.	2	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
		Fem.	4	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	2
148–149	Other diseases of locomotor system	Totals.	2	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
		Males.	2	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	Hydrocephalus	Totals.	28	2	1	1	2	3	1	4	1	5	3	3	2
		Males.	19	2	1	.....	2	3	1	2	.....	2	2	2	2
		Fem.	9	.....	.....	1	.....	.....	.....	2	1	3	1	1	.....
	Congenital malformation of heart (cyanosis)	Totals.	187	10	17	10	29	21	16	14	11	16	10	12	21
		Males.	114	8	6	4	21	13	8	11	5	10	6	5	17
		Fem.	73	2	11	6	8	8	8	3	6	6	4	7	4
	Other congenital malformations	Totals.	173	15	14	13	20	15	9	17	8	12	11	11	28
		Males.	91	9	12	4	11	5	4	13	3	5	5	5	15
		Fem.	82	6	2	9	9	10	5	4	5	7	6	6	13

and sex, during the year 1904. (Stillbirths excluded.)

es in years, under five				Ages by five year periods.																			Classification No.
1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
..	...	....	....	....	....	....	3	6	4	2	1	5	2	6	1	....	1	1	....	....	..	127, 128
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	3	6	4	2	1	5	2	6	1	....	1	1	....	....	..	130
..	...	....	....	....	....	1	2	2	4	5	4	5	6	3	2	5	2	3	1	2	..	131
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	1	2	2	4	5	4	5	6	3	2	5	2	3	1	2	..	
..	...	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	..	124–126, 132, 133
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	..	
..	..	....	....	3	....	....	1	4	5	4	3	3	4	....	2	13	21	29	30	42	..	
..	...	....	....	2	....	....	....	....	3	....	....	1	2	....	2	13	21	29	30	42	..	
..	...	....	....	1	....	....	1	4	2	4	3	2	2	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	15	61	55	41	35	14	1	1	....	....	....	....	....	....	..	137
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	15	61	55	41	35	14	1	1	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	17	21	21	17	8	4	....	....	....	....	....	....	....	....	..	138
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	17	21	21	17	8	4	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	5	27	30	21	24	16	1	....	....	....	....	....	....	....	1	134–136, 139–
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	5	27	30	21	24	16	1	....	....	....	....	....	....	....	1	141
..	...	....	....	5	....	....	1	....	1	....	3	4	1	1	7	9	12	17	21	45	..	142
..	...	....	....	3	....	....	....	....	1	....	3	3	1	....	4	5	4	9	12	33	..	
..	..	....	....	2	....	....	1	....	....	....	....	1	....	1	3	4	8	8	9	12	..	
..	...	....	....	....	....	....	....	1	....	....	1	....	....	....	1	....	2	1	1	1	..	143
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	1	1	1	..	
..	...	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	..	
1	...	....	1	13	....	....	1	2	2	3	2	2	....	1	2	1	2	1	3	2	..	144
..	...	....	1	6	....	....	1	1	1	2	1	....	....	1	....	1	....	1	1	2	..	
1	...	....	....	7	....	....	....	1	1	1	1	2	....	....	2	....	2	....	2	....	..	
..	...	....	....	15	....	....	....	....	....	....	....	....	....	....	1	1	....	2	1	3	..	145
..	...	....	....	9	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	1	..	
..	...	....	....	6	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	2	..	
6	...	2	2	19	2	3	1	....	1	2	2	....	1	1	4	6	4	1	1	1	..	146
3	...	2	....	10	2	....	1	....	....	2	1	....	1	....	2	6	1	1	1	1	..	
3	...	....	2	9	....	3	....	....	1	....	1	....	....	1	2	....	3	....	....	....	..	
..	...	....	....	....	....	....	2	1	....	1	....	....	1	....	....	....	1	....	....	....	..	147
..	...	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	..	
..	...	....	....	....	....	....	2	1	....	....	....	....	1	....	....	....	....	....	....	....	..	
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	..	148–149
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	..	
..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
5	1	....	....	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	150
4	...	....	....	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
1	1	....	....	9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
2	1	....	....	187	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
2	...	....	....	114	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
..	1	....	....	73	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
5	1	....	....	173	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
1	...	....	....	91	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
4	1	....	....	82	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
151, 152, 153	Premature birth	Totals	632	57	61	66	54	56	53	51	53	44	45	40	52
		Males	362	34	33	38	29	34	34	29	34	21	26	23	27
		Fem.	270	23	28	28	25	22	19	22	19	23	19	17	25
	Congenital debility	Totals	784	60	64	55	58	70	62	57	73	76	81	44	84
		Males	462	41	34	30	40	46	35	29	45	40	46	27	49
		Fem.	322	19	30	25	18	24	27	28	28	36	35	17	35
154	Old age	Totals	1,216	118	143	145	115	115	77	68	67	68	100	105	95
		Males	606	65	68	70	56	66	38	30	31	37	42	51	52
		Fem.	610	53	75	75	59	49	39	38	36	31	58	54	43
	Suicide	Totals	315	33	21	22	29	25	33	22	31	24	21	33	21
		Males	240	25	14	18	22	21	24	16	24	17	17	26	16
		Fem.	75	8	7	4	7	4	9	6	7	7	4	7	5
155	Suicide by poison	Totals	122	11	10	10	14	8	13	8	11	8	9	13	7
		Males	78	6	6	7	9	6	8	4	6	5	6	10	5
		Fem.	44	5	4	3	5	2	5	4	5	3	3	3	2
156	Suicide by asphyxia	Totals	5	.....	.....	1	1	.....	.....	1	.....	1	.....	.....	1
		Males	3	.....	.....	.....	1	.....	.....	1	.....	1	.....	.....	.....
		Fem.	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
157	Suicide by hanging	Totals	69	5	3	4	7	11	8	6	6	7	3	4	5
		Males	56	4	2	4	6	9	7	5	5	5	3	2	4
		Fem.	13	1	1	.....	1	2	1	1	1	2	.....	2	1
158	Suicide by drowning	Totals	15	.....	.....	.....	.....	1	5	2	4	.....	2	1	.....
		Males	9	.....	.....	.....	.....	1	3	1	3	.....	1	.....	.....
		Fem.	6	.....	.....	.....	.....	.....	2	1	1	.....	1	1	.....
159	Suicide by firearms	Totals	69	10	5	5	4	4	4	5	3	6	6	11	6
		Males	64	9	5	5	4	4	3	5	3	5	6	10	5
		Fem.	5	1	.....	.....	.....	.....	1	.....	.....	1	.....	1	1
160	Suicide by cutting instruments	Totals	20	5	2	1	1	.....	1	.....	5	2	1	2	.....
		Males	16	4	.....	1	1	.....	1	.....	5	1	1	2	.....
		Fem.	4	1	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
161	Suicide by jumping from high places	Totals	3	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
		Males	3	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
162	Suicide by crushing	Totals	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Males	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	Suicide by other or unspecified means	Totals	12	1	1	.....	2	1	2	.....	1	.....	.....	2	2
		Males	11	1	1	.....	1	1	2	.....	1	.....	.....	2	2
		Fem.	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Accidental	Totals	2,107	173	156	195	169	162	161	213	190	145	187	186	170
		Males	1,661	134	116	149	131	132	136	166	151	118	155	143	130
		Fem.	446	39	40	46	38	30	25	47	39	27	32	43	40
164, 165	Fractures and dislocations	Totals	279	21	22	41	22	17	11	21	22	18	29	29	26
		Males	186	13	11	21	18	12	9	14	17	13	20	20	18
		Fem.	93	8	11	20	4	5	2	7	5	5	9	9	8
167	Burns and scalds	Totals	172	25	21	18	18	14	8	7	14	9	11	17	10
		Males	102	16	15	8	13	7	4	5	9	5	7	8	5
		Fem.	70	9	6	10	5	7	4	2	5	4	4	9	5
169	Heat and sunstroke	Totals	11	.....	.....	.....	.....	.....	.....	7	4	.....	.....	.....	.....
		Males	9	.....	.....	.....	.....	.....	.....	5	4	.....	.....	.....	.....
		Fem.	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
170	Cold and freezing	Totals	40	17	4	7	2	.....	.....	.....	.....	.....	.....	2	8
		Males	35	13	3	7	2	.....	.....	.....	.....	.....	.....	2	8
		Fem.	5	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

and sex, during the year 1904. (Stillbirths excluded.)

s in years, der five.			Ages by five year periods.																		
2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80. +	Unknown.	Classification No.
...	...	...	632	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	151, 152, 153
...	...	...	362	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	270	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	784	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	462	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	322	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47	127	218	822	2	154
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	65	111	410	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	62	107	412	2	
...	...	...	...	...	1	13	29	22	26	28	25	36	33	27	21	18	11	13	9	3	
...	...	...	...	...	1	6	15	17	18	21	17	32	29	22	17	15	10	10	8	2	
...	...	...	...	...	0	7	14	5	8	7	8	4	4	5	4	3	1	3	1	1	
...	...	...	...	...	...	8	19	10	8	11	10	14	11	9	6	5	6	2	2	1	155
...	...	...	...	...	...	3	6	7	5	5	5	14	9	7	5	3	5	2	2	..	
...	...	...	...	...	...	5	13	3	3	6	5	...	2	2	1	2	1	...	...	1	
...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	1	1	...	..	156
...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	1	...	...	..	
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	..	
...	...	...	...	...	...	...	...	1	5	10	5	9	7	6	7	8	1	4	4	2	157
...	...	...	...	...	...	...	...	...	3	9	4	7	6	3	7	8	1	3	3	2	
...	...	...	...	...	...	...	...	1	2	1	1	2	1	3	...	...	...	1	1	..	
...	...	...	...	...	...	...	...	2	1	2	...	1	3	2	3	1	...	...	...	..	158
...	...	...	...	...	...	...	...	1	...	2	...	...	2	2	1	1	...	...	...	..	
...	...	...	...	...	...	...	...	1	1	...	...	1	1	...	2	...	...	...	...	..	
...	...	...	...	...	1	3	10	7	4	4	7	7	8	4	5	1	2	3	3	..	159
...	...	...	...	...	1	3	9	7	3	4	5	7	8	4	4	1	2	3	3	..	
...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	1	...	...	...	...	..	
...	...	...	...	...	...	1	...	...	2	1	3	3	2	4	...	2	...	2	...	..	160
...	...	...	...	...	...	...	...	...	1	1	3	2	2	4	...	1	...	2	...	..	
...	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	1	...	...	...	..	
...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	..	161
...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	162
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	...	...	...	...	...	1	3	...	...	2	2	1	...	1	1	1	...	..	163
...	...	...	...	...	...	...	...	1	3	...	...	2	2	1	...	1	1	...	...	..	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	..	
47	32	25	360	86	95	128	188	173	113	118	88	113	110	76	83	69	77	86	128	16	
36	20	14	224	69	79	114	167	156	102	108	79	98	95	64	65	47	52	58	68	16	
11	12	11	136	17	16	14	21	17	11	10	9	15	15	12	18	22	25	28	60	..	
...	2	1	6	3	3	6	22	19	9	13	10	15	14	16	13	17	21	32	60	..	164, 165
...	2	1	5	3	2	5	22	18	9	13	10	13	11	10	10	6	8	17	24	..	
...	...	...	1	...	1	1	...	1	...	...	...	2	3	6	3	11	13	15	36	..	
25	15	11	88	11	4	2	6	5	10	5	1	5	6	2	8	5	6	3	5	..	167
19	7	7	54	6	1	2	5	3	6	5	1	3	4	1	5	3	...	2	1	..	
6	8	4	34	5	3	...	1	2	4	...	...	2	2	1	3	2	6	1	4	..	
...	...	...	2	...	...	...	1	...	...	...	3	...	...	1	...	...	2	2	...	..	169
...	...	...	...	...	...	...	1	...	...	...	3	...	...	1	...	...	2	2	...	..	
...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	
...	...	...	2	4	1	...	...	4	5	5	1	2	1	3	3	2	2	1	3	1	170
...	...	...	2	3	1	...	...	3	5	4	1	2	1	3	2	1	2	1	3	1	
...	...	...	...	1	...	...	...	1	...	1	...	...	...	...	1	1	...	...	...	..	

Table III.—Concluded.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1904.	Sex.	Total deaths, 1904.	Months of death, 1904.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
(171)	Lightning	Totals	13	.....	.....	.....	.....	3	2	6	.....	1	1	.....	.....
		Males	11	.....	.....	.....	.....	3	1	6	.....	.....	1	.....	.....
		Fem.	2	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....
172	Drowning	Totals	279	1	4	15	24	22	47	68	40	15	18	12	13
		Males	248	1	4	15	21	20	41	59	36	12	15	11	13
		Fem.	31	.....	.....	.....	3	2	6	9	4	3	3	1	.....
174	Inhalation of poisonous gases	Totals	19	1	2	4	.....	1	1	1	2	.....	4	1	2
		Males	11	.....	2	4	.....	1	1	.....	.....	.....	2	.....	1
		Fem.	8	1	.....	.....	.....	.....	.....	1	2	.....	2	1	1
175	Other accidental poisonings	Totals	115	7	5	12	12	14	10	7	10	10	11	9	8
		Males	71	7	4	9	6	9	6	3	3	8	9	2	5
		Fem.	44	.....	1	3	6	5	4	4	7	2	2	7	3
166	Accidental gunshot wounds	Totals	103	6	5	5	7	6	4	8	6	7	17	23	9
		Males	87	4	3	5	5	6	4	6	6	7	14	20	7
		Fem.	16	2	2	.....	2	.....	.....	2	.....	.....	3	3	2
	Injuries by machinery	Totals	55	10	1	3	3	5	7	3	6	5	5	3	4
		Males	54	10	1	3	3	5	7	3	6	4	5	3	4
		Fem.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
	Injuries in mines and quarries	Totals	78	10	9	7	7	6	7	4	5	6	7	3	7
		Males	78	10	9	7	7	6	7	4	5	6	7	3	7
		Fem.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Railroad accidents and injuries	Totals	248	21	18	18	12	22	20	21	21	22	21	32	20
		Males	233	20	17	18	11	21	20	18	21	19	20	29	19
		Fem.	15	1	1	.....	1	1	.....	3	.....	3	1	3	1
	Injuries by vehicles and horses	Totals	70	4	.....	1	4	8	12	4	9	10	7	8	3
		Males	62	4	.....	1	4	7	11	4	7	10	7	5	2
		Fem.	8	.....	.....	.....	.....	1	1	.....	2	.....	.....	3	1
	Injuries by electric cars	Totals	37	2	1	.....	7	3	1	3	7	1	3	6	3
		Males	33	1	1	.....	6	3	1	2	7	1	3	5	3
		Fem.	4	1	.....	.....	1	.....	.....	1	.....	.....	.....	1	.....
(166) 168, [171] (176)	Other accidental injuries	Totals	432	38	50	48	35	29	24	38	33	30	39	27	41
		Males	339	29	39	42	26	21	19	27	25	26	32	24	29
		Fem.	93	9	11	6	9	8	5	11	8	4	7	3	12
176	Suffocation	Totals	84	8	9	11	6	4	4	8	4	5	9	4	12
		Males	52	5	3	7	3	3	3	4	2	4	8	4	6
		Fem.	32	3	6	4	3	1	1	4	2	1	1	.....	6
	Injuries at birth	Totals	72	2	5	5	10	8	3	7	7	6	5	10	4
		Males	50	1	4	2	6	8	2	6	3	3	5	7	3
		Fem.	22	1	1	3	4	.....	1	1	4	3	.....	3	1
(176)	Homicide	Totals	27	1	1	.....	2	1	4	3	1	4	2	4	4
		Males	13	.....	1	.....	1	.....	1	2	.....	2	2	2	2
		Fem.	14	1	.....	.....	1	1	3	1	1	2	.....	2	2
177	"Dropsy"	Totals	142	9	11	17	16	7	13	14	17	10	10	8	10
		Males	64	5	4	8	5	3	6	6	9	7	5	2	4
		Fem.	78	4	7	9	11	4	7	8	8	3	5	6	6
178, 179	"Heart failure"	Totals	128	8	7	14	9	10	8	11	14	12	16	7	12
		Males	81	4	4	8	6	7	7	5	10	8	12	5	5
		Fem.	47	4	3	6	3	3	1	6	4	4	4	2	7
	Other ill-defined diseases	Totals	394	42	31	29	21	27	27	36	48	35	38	29	31
		Males	213	25	15	13	14	16	10	20	22	20	22	15	21
		Fem.	181	17	16	16	7	11	17	16	26	15	16	14	10
	Unknown or unspecified	Total	237	31	30	22	23	24	14	23	14	20	11	11	14
		Males	132	21	16	10	11	15	6	14	7	10	5	8	9
		Fem.	105	10	14	12	12	9	8	9	7	10	6	3	5

ages and sex, during the year 1904. (Stillbirths excluded.)

Ages in years, under five.					Ages by five year periods.																	Classification No.
0	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
....	....	....	....	....	....	1	....	....	3	2	4	....	....	1	....	....	....	....	1	1	....	..	(171)
....	....	....	....	....	....	....	....	....	2	2	4	....	....	1	....	....	....	....	1	1	....	..	
....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	..	
7	11	6	7	5	36	32	32	47	33	24	9	12	8	11	8	8	4	3	2	3	2	5	172
5	7	6	6	1	25	30	28	45	31	20	9	12	7	10	5	8	4	2	2	3	2	5	
2	4	....	1	4	11	2	4	2	2	4	....	....	1	1	3	....	....	1	....	....	....	..	
....	....	....	....	....	....	....	....	3	2	1	2	3	1	1	....	1	2	....	1	2	....	..	174
....	....	....	....	....	....	....	....	3	....	1	2	....	....	1	....	....	1	....	1	2	....	..	
....	....	....	....	....	....	....	....	....	2	....	....	3	1	....	....	1	1	....	....	....	....	..	
8	13	5	5	3	34	3	2	4	8	5	4	7	12	6	9	4	5	2	3	4	3	..	175
6	5	4	3	2	20	1	1	1	2	1	1	6	10	3	6	4	4	2	3	3	3	..	
2	8	1	2	1	14	2	1	3	6	4	3	1	2	3	3	....	1	....	....	1	....	..	
1	1	....	....	....	2	2	23	15	14	13	5	8	5	3	4	1	2	2	1	3	....	..	166
1	....	....	....	....	1	2	19	14	10	11	5	6	3	3	4	1	2	2	1	3	....	..	
....	1	....	....	....	1	....	4	1	4	2	....	2	2	....	....	....	....	....	....	....	....	..	
....	....	....	....	....	....	1	3	4	8	9	4	5	4	11	2	3	....	....	1	....	....	..	
....	....	....	....	....	....	1	3	4	8	9	4	4	4	11	2	3	....	....	1	....	....	..	
....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	..	
....	....	....	....	....	....	....	....	4	23	19	10	8	4	6	1	2	1	....	....	....	....	..	
....	....	....	....	....	....	....	....	4	23	19	10	8	4	6	1	2	1	....	....	....	....	..	
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
5	....	1	....	....	6	4	9	12	34	32	20	27	14	16	20	8	10	6	9	7	6	8	
5	....	1	....	....	6	4	8	10	33	32	20	27	14	14	20	7	6	5	7	6	6	8	
....	....	....	....	....	....	....	1	2	1	....	....	....	....	2	....	1	4	1	2	1	....	..	
2	....	3	....	1	6	3	2	6	3	3	3	2	3	6	11	4	8	3	2	3	1	1	
2	....	2	....	1	5	3	2	5	3	2	3	1	3	5	11	3	7	2	2	3	1	1	
....	....	1	....	....	1	....	....	1	....	1	....	1	....	1	....	1	1	1	....	....	....	..	
....	....	....	....	1	1	1	1	....	2	2	3	1	2	1	6	....	3	4	7	....	3	..	
....	....	....	....	....	....	1	1	....	2	1	3	1	2	1	5	....	3	4	6	....	3	..	
....	....	....	....	1	1	....	....	....	....	1	....	....	....	....	1	....	....	....	1	....	....	..	
20	11	6	3	3	43	20	14	23	28	33	24	20	18	27	24	22	24	25	19	24	43	1	(166) 168,
12	3	4	2	2	23	14	13	19	24	32	20	19	16	23	21	20	20	20	16	14	24	1	171
8	8	2	1	1	20	6	1	4	4	1	4	1	2	4	3	2	4	5	3	10	19	..	(176)
56	5	1	....	....	62	1	1	2	1	2	1	2	2	2	4	1	....	....	....	1	2	..	176
30	3	....	....	....	33	1	....	2	1	2	1	2	1	2	4	1	....	....	....	1	1	..	
26	2	1	....	....	29	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	1	..	
72	....	....	....	....	72	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
50	....	....	....	....	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
22	....	....	....	....	22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	
2	1	....	....	....	3	....	....	2	5	6	2	3	3	....	1	2	....	....	....	....	....	..	(176)
....	....	....	....	....	....	....	....	1	2	3	2	1	2	....	....	2	....	....	....	....	....	..	
2	1	....	....	....	3	....	....	1	3	3	....	2	1	....	1	....	....	....	....	....	....	..	
2	....	....	....	....	2	1	1	....	1	2	1	3	1	6	7	9	12	21	19	25	30	1	177
....	....	....	....	....	....	....	....	....	....	....	1	1	....	2	1	7	4	12	9	12	15	..	
2	....	....	....	....	2	1	1	....	1	2	....	2	1	4	6	2	8	9	10	13	15	1	
19	....	1	....	....	20	1	....	2	1	3	3	....	3	11	8	11	10	7	11	23	14	..	178, 179
10	....	....	....	....	10	1	....	1	....	2	1	....	1	6	7	7	7	5	6	18	9	..	
9	....	1	....	....	10	....	....	1	1	1	2	....	2	5	1	4	3	2	5	5	5	..	
165	21	5	2	4	197	4	2	5	8	4	3	3	10	7	6	7	16	15	22	25	58	2	
92	14	3	....	1	110	2	2	3	2	....	2	1	4	3	2	3	9	9	12	13	34	2	
73	7	2	2	3	87	2	....	2	6	4	1	2	6	4	4	4	7	6	10	12	24	..	
151	8	....	1	1	161	1	2	2	3	....	6	2	2	6	5	7	5	5	4	11	15	..	
77	7	....	....	1	85	1	2	....	2	....	4	1	1	5	3	5	3	4	2	4	10	..	
74	1	....	1	....	76	....	....	2	1	....	2	1	1	1	2	2	2	1	2	7	5	..	

Table IV.—Causes of death in Michigan, by counties.

Classification No.	Causes of death, 1904.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
	ALL CAUSES	34,494	60	74	560	268	231	122	44	306	788	135	639	382	748	282	218	195
	I. General Diseases.																	
	(A. Epidemic diseases.)																	
1	Typhoid fever	634	2	1	5	2	5	1	...	1	22	1	4	3	8	6	3	1
	Typho-malarial fever	7	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
4	Malarial fever	58	...	...	1	...	...	1	...	...	2	...	2	...	2	...	...	1
5	Smallpox	26	...	...	...	...	1	...	...	...	3	...	...	...	1	...	...	...
6	Measles	194	...	...	3	1	3	1	...	1	11	...	1	1	4	3	1	...
7	Scarlet fever	210	1	...	3	23	3	1	...	...	1	...	1	...	1	1	...	...
8	Whooping-cough	148	1	1	1	6	3	1	...	5	2	...	1	...	3	...	...	5
9	Diphtheria	425	...	...	1	20	2	3	...	...	17	3	4	...	12	1	...	2
	Croup	33	...	1	...	...	...	...	...	1	1	1	...	...	1	1	...	...
	Membraneous croup	57	...	...	...	1	...	...	...	...	2	...	1	...	1	1	1	...
10	Influenza	705	...	...	22	6	5	2	...	15	20	...	15	20	9	7	4	2
13	Cholera nostras	34	...	...	...	2	...	...	...	...	3	...	...	1	...	...	...	...
14	Dysentery	138	3	...	2	...	2	...	1	1	1	1	1	1	4	1	2	1
18	Erysipelas	105	...	...	1	1	...	1	...	3	1	...	2	1	1	2	...	...
19	Chickenpox	4	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
	German measles	8	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
	Mumps	5	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other epidemic diseases	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	B. Other general diseases.																	
20	Septicemia	187	...	1	2	2	...	...	...	2	3	...	5	...	2	1	1	...
27	Tuberculosis of lungs	2,306	5	5	32	13	8	9	7	17	63	8	47	22	53	20	19	10
26	Tuberculosis of larynx	31	...	...	...	...	...	...	1	1	...	...	1	...	1	...	1	...
28	Tuberculosis meningitis	124	...	2	...	1	...	...	...	...	3	1	2	2	1	2	...	...
29	Abdominal tuberculosis	137	...	...	2	2	1	...	...	...	2	1	2	1	1	1	1	...
30	Pott's disease	24	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...
31	Tuberculosis abscess	10	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
32	White swelling	15	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...
33	Tuberculosis of other organs	60	1	...	1	...	1	...	...	1	1	...	1	...	1	...	...	1
34	General tuberculosis	40	...	...	1	...	3	...	...	...	1	1	3	...	...	...	...	1
35	Scrofula	14	...	...	...	1	...	...	1	1	...	...	1	...	...	...	...	...
36-38	Venereal diseases	101	...	...	...	...	...	1	...	1	6	...	2	...	3	1	...	...
39	Cancer of mouth	80	...	...	...	...	1	2	...	1	...	...	...	1	...	...	...	1

during the year 1902. (Stillbirths excluded.)

to Keweenaw.																											Classification No.
Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Ioso.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.		
277	109	313	44	415	215	483	232	582	56	214	381	389	420	926	358	633	498	114	88	235	701	798	89	2118	48		
6	4	7	1	44	1	7	3	9	2	6	5	8	3	1	5	13	10	2	1	4	15	8	...	68	..		1
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	1	...	..	...	...	...	...	...	..		
...	...	1	...	...	...	...	...	1	1	...	...	...	3	...	1	...	1	1	..	1	1	2	...	3	..		4
...	...	...	...	...	...	...	1	1	..	...	..	...	...	...	...	...	...	...	..	...	6	...	1	...	..		5
1	4	...	1	...	...	5	4	...	1	...	...	4	5	7	4	3	...	...	..	5	2	5	1	4	..		6
2	4	2	...	1	...	...	1	6	2	1	2	2	1	34	5	1	3	2	..	...	...	3	1	6	1		7
...	1	3	...	8	...	2	1	...	..	...	3	1	1	24	...	4	1	1	..	1	...	2	1	13	..		8
2	1	...	...	2	5	2	1	3	..	7	1	3	4	11	4	9	...	...	..	2	5	7	2	8	..		
1	...	...	...	...	...	1	...	...	..	1	...	...	1	1	1	1	1	1	1	...	...	...	...	1	..		9
...	...	...	...	...	...	1	...	1	..	...	...	...	...	2	3	1	...	...	..	...	2	2	...	8	..		
2	...	11	...	6	...	16	5	8	..	1	5	18	13	5	5	22	8	2	2	3	17	18	1	32	..		10
...	...	1	...	1	...	...	...	...	..	...	...	...	...	...	1	...	...	...	..	1	1	1	...	2	..		13
1	...	1	1	5	3	1	2	3	..	1	1	2	1	3	...	...	...	...	..	5	3	2	1	2	..		14
1	...	...	...	1	1	1	1	...	..	...	...	1	..	5	1	1	...	...	..	...	1	3	...	9	..		18
...	...	...	...	...	...	...	...	1	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..		
...	...	...	...	...	...	1	...	...	..	...	...	...	...	...	...	2	1	...	..	...	...	...	...	...	..		19
...	...	...	...	...	...	1	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..		
...	...	1	...	...	...	...	...	...	..	...	...	1	...	...	..	...	...	...	..	...	...	...	...	...	..		
2	...	4	...	4	...	2	2	3	1	1	3	4	1	2	...	4	2	...	..	3	3	3	...	9	..		20
21	8	19	3	29	14	31	18	24	1	10	33	23	30	76	24	25	29	10	5	15	36	48	4	140	7		27
...	...	...	...	...	1	...	...	...	..	1	...	...	1	2	1	2	1	1	..	...	...	...	...	2	..		26
...	...	...	...	...	...	...	1	1	..	1	1	3	1	19	1	1	2	2	..	...	1	2	...	8	..		28
3	...	...	...	5	...	1	1	3	..	...	3	...	3	5	1	3	...	...	..	3	...	2	1	16	..		29
...	...	1	...	...	...	...	...	1	..	1	...	...	...	...	...	2	...	...	..	...	...	...	...	5	..		30
...	...	...	...	...	...	...	1	1	..	...	...	...	...	...	...	1	...	...	..	1	1	...	...	3	..		31
...	...	...	...	...	...	...	...	...	..	1	...	...	...	2	...	...	...	...	..	...	...	1	...	...	..		32
...	...	1	...	1	...	...	...	2	..	...	...	1	1	4	...	...	2	1	..	1	4	2	1	2	..		33
...	1	...	...	1	...	...	...	...	..	...	...	...	...	1	2	...	...	...	..	1	...	2	...	2	..		34
...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	...	1	...	..	...	...	...	...	5	..		35
...	...	...	...	...	...	...	1	2	1	2	...	...	...	5	1	1	1	...	..	...	2	4	...	3	..		36–38
...	1	2	...	1	1	1	...	...	..	1	1	1	...	2	3	...	2	...	..	...	1	1	...	6	..		39

Table IV.—Continued.—Causes of death in Michigan.

Classification No.	Causes of death, 1904.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
40	Cancer of stomach and liver	721	1	..	16	6	5	2	...	13	11	3	23	3	22	7	3	1
41	Cancer of intestines	174	..	1	4	...	...	1	...	3	3	....	4	2	6	3	....	1
42	Cancer of genital organs	225	..	..	3	2	...	...	...	....	5	1	6	5	10	1	4	....
43	Cancer of breast	141	1	..	4	1	...	...	...	2	2	1	....	1	5	1	....	....
44	Cancer of skin	85	..	..	2	1	...	...	...	1	....	....	1	....	1	1	....	1
45	Cancer of other organs	302	..	1	6	2	1	...	1	1	9	1	3	3	3	7	4	2
46	Tumors	65	..	..	...	...	...	...	...	....	2	....	2	1	4	....	....	1
47-48	Rheumatism	196	2	..	6	2	1	1	...	3	8	....	9	5	4	1	....	1
50	Diabetes	298	..	..	9	2	1	1	...	6	5	....	5	4	10	2	1	3
53-54	Anemia, leukemia	279	..	..	4	1	10	4	...	1	1	3	4	7	7	5	1	....
56	Alcoholism	97	..	..	1	...	1	...	...	1	2	....	4	....	1	...	1	....
57-59	Chronic poisonings	25	..	..	...	...	1	...	...	....	....	....	....	....	....	1	....	....
55 etc.	Other general diseases	63	..	1	1	...	...	1	...	....	1	....	1	....	1	....	1	....
	II. Diseases of Nervous System.																	
60	Encephalitis	75	..	..	3	...	...	...	...	1	6	....	2	1	1	....	....	1
61	Meningitis	401	..	2	9	...	3	...	...	2	11	1	5	4	7	6	....	8
62	Locomotor ataxia	52	..	..	2	...	...	1	...	....	....	....	1	1	2	1	....	1
63	Other diseases of spinal cord	117	1	..	2	...	1	...	...	....	1	....	1	....	3	....	1	....
64	Apoplexy	1,473	3	2	26	6	7	1	...	14	29	7	35	29	33	15	5	4
65	Softening of brain	95	1	..	...	...	...	1	...	1	....	....	2	3	4	1	1	....
66	Paralysis	863	1	..	9	7	5	3	1	12	7	1	17	14	27	8	5	3
67	General paralysis of insane	175	..	..	2	...	...	...	...	....	4	....	1	1	3	1	....	....
68	Other forms of mental disease	103	..	..	...	...	...	...	...	....	6	....	4	....	1	3	....	1
(74)	Other diseases of the brain	80	..	..	...	...	...	...	...	....	3	....	1	....	....	....	....	....
69	Epilepsy	150	..	..	2	...	...	...	...	2	1	....	2	4	4	1	1	....
70-71	Convulsions	505	..	..	2	5	2	3	4	1	14	...	9	2	4	2	3	1
72	Tetanus	33	..	..	...	...	...	...	...	....	1	....	....	....	....	....	1	....
73-76	Other diseases of nervous system	134	..	..	1	...	1	...	...	4	3	....	4	1	4	1	...	....
	III. Diseases of Circulatory System.																	
77	Pericarditis	64	..	..	2	3	1	1	...	....	....	....	3	....	3	1	....	....
78	Endocarditis	156	..	..	1	2	3	...	...	2	2	1	5	....	3	....	2	1
79	Heart disease	3,556	5	9	92	13	21	12	5	53	78	15	88	66	115	42	1	19
80	Angina pectoris	205	..	..	2	...	1	...	...	1	2	1	6	8	[illegible]	3	....	1
81	Diseases of arteries	174	..	..	5	...	...	..	...	3	3	2	3	5	4	7	1	....

by counties during the year 1904. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
2	3	5	1	6	3	11	3	8	1	1	2	12	6	27	9	15	26	1	6	5	16	24	1	35	..	40
...	...	1	...	2	1	2	...	4	..	...	...	...	5	3	3	2	4	...	..	5	5	3	...	9	..	41
1	...	1	...	1	1	4	1	3	..	1	3	3	3	4	1	6	2	2	..	1	10	8	1	14	..	42
...	2	1	...	1	1	1	1	6	..	...	...	...	...	1	...	4	1	...	..	1	5	4	...	12	..	43
...	...	3	...	...	...	1	1	4	..	...	...	2	2	2	...	1	1	...	..	1	4	...	...	9	..	44
1	...	4	...	5	3	5	...	7	..	...	1	3	7	5	1	5	6	2	2	...	13	6	2	17	..	45
...	...	1	...	...	...	1	...	2	..	...	...	1	1	...	1	2	2	...	..	...	2	...	...	4	..	46
1	1	1	...	1	...	1	1	2	..	...	3	1	1	1	2	4	2	2	..	1	4	5	...	13	..	47–48
1	2	3	...	...	...	3	2	6	1	...	7	4	10	3	1	13	6	...	..	6	5	4	...	19	..	50
1	...	2	...	3	2	2	1	5	1	2	6	1	9	5	3	5	...	...	2	1	7	14	...	13	..	53–54
3	...	...	...	7	1	1	...	...	..	1	...	1	...	2	1	1	2	...	1	2	2	2	...	3	..	56
...	...	1	...	1	...	2	1	...	..	...	...	1	...	...	...	1	...	...	..	...	...	...	...	1	..	57–59
...	2	...	...	1	1	1	1	2	..	1	...	1	...	1	...	...	2	...	..	4	4	1	...	2	..	55 etc.
...	1	...	1	1	1	4	1	...	..	...	...	...	...	4	1	3	1	...	..	...	...	1	...	8	..	60
...	2	2	...	5	2	5	3	4	1	5	5	6	2	14	4	7	3	1	1	2	4	10	3	32	1	61
...	...	...	...	...	...	...	...	...	..	...	...	...	...	2	1	1	1	...	..	...	5	1	...	2	..	62
1	...	1	...	...	...	2	...	3	..	1	3	2	1	...	...	1	2	...	..	2	4	4	1	9	..	63
6	4	18	...	8	3	30	5	25	1	4	23	15	23	17	10	34	26	1	..	10	47	57	4	92	..	64
...	...	2	...	1	...	1	...	...	..	...	...	1	1	2	...	4	3	...	..	...	1	8	...	6	..	65
5	2	11	2	5	3	28	5	25	4	4	5	14	27	3	7	17	20	...	1	5	29	16	1	42	..	66
...	...	1	...	2	...	1	...	1	..	...	12	1	1	...	2	3	4	...	..	1	2	23	1	16	..	67
...	...	4	...	...	...	1	...	...	..	1	3	...	2	1	...	2	7	...	..	...	2	3	...	2	..	68
...	...	...	...	...	...	1	...	2	..	1	3	1	...	1	1	...	2	...	..	1	...	9	1	5	..	(74)
2	...	...	1	...	1	5	2	2	..	2	1	...	3	1	2	1	1	1	..	2	2	9	...	9	..	69
11	...	4	1	7	7	4	2	3	2	10	2	3	2	29	4	2	2	2	1	...	3	3	...	17	5	70–71
...	...	...	...	...	1	1	...	1	..	1	...	...	...	1	...	1	1	...	..	1	...	...	...	2	..	72
1	...	2	...	1	...	1	1	1	..	...	2	1	3	2	...	4	5	...	..	...	5	1	...	4	..	73–76
1	...	2	...	...	...	2	...	1	..	...	...	...	...	1	1	2	...	...	..	...	4	1	...	2	..	77
1	...	...	...	...	1	2	1	1	1	...	1	5	1	8	1	1	2	...	..	...	3	14	...	13	1	78
25	4	42	2	20	10	60	19	80	2	6	42	55	69	45	31	85	58	7	2	13	90	120	8	251	..	79
...	...	4	...	...	1	4	2	6	..	...	4	2	1	3	7	7	8	...	..	2	4	9	...	12	..	80
...	...	3	1	1	1	2	1	9	..	...	8	1	1	7	1	1	2	...	..	1	2	4	1	12	1	81

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death 1904.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
82	Embolism and thrombosis	86	..	1	1	...	...	...	...	...	...	1	1	...	1	...	...	...
83	Diseases of veins	12	..	..	1	...	...	...	...	...	1	...	...	...	...	...	...	...
84	Diseases of lymphatics	5	..	..	...	...	...	...	...	...	...	...	...	...	...	1	...	...
85-86	Other diseases of circulatory system	54	..	..	2	...	1	...	...	...	1	...	...	...	...	...	...	1
	IV. Diseases of Respiratory System.																	
88	Larangitis	14	..	..	...	...	...	...	...	...	1	...	1	...	1	...	...	...
	Other diseases of larynx	27	..	..	...	...	1	...	...	...	...	...	2	...	...	...	...	...
89	Diseases of thyroid body	6	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
90	Acute bronchitis	447	..	1	8	11	8	2	...	2	18	1	2	1	4	1	6	6
91	Chronic bronchitis	381	..	..	6	5	3	...	...	2	8	2	5	2	12	2	5	2
92	Bronchopneumonia	545	..	6	5	9	11	5	1	3	15	...	5	3	10	1	5	1
93	Pneumonia	2,101	4	5	35	9	16	9	4	18	45	11	26	22	48	10	9	13
94	Pleurisy	57	..	..	3	...	...	...	...	...	...	1	...	1	2	...	...	...
95	Congestion of lungs	168	..	..	1	1	...	1	...	1	4	1	6	3	3	...	...	1
96	Gangrene of lungs	6	..	..	1	...	...	...	...	...	...	...	...	...	...	...	...	...
97, 98	Asthma and empysema	111	1	..	2	...	1	...	...	3	6	...	3	1	3	2	...	...
87, 99	Hemorrhage of lungs	46	..	1	...	...	...	...	...	1	1	...	1	...	...	2	...	...
	Other diseases of respiratory system	88	..	..	...	...	...	...	...	...	1	...	...	2	...	...	2	1
	V. Diseases of Digestive System.																	
100	Diseases of mouth	24	1	..	...	...	...	1	...	...	...	...	...	...	...	1	...	...
101, 102	Tonsilitis	33	..	..	...	...	1	...	...	...	1	...	1	1	2	...	...	...
	Other diseases of pharynx	32	..	..	...	...	1	...	...	...	2	...	1	1	...	...	...	...
103	Ulcer of stomach	79	..	..	...	1	1	1	...	...	...	...	1	...	1	1	3	...
104	Gastritis	258	..	1	6	1	1	...	...	2	7	1	4	2	7	1	1	...
	Other diseases of stomach	277	..	1	6	3	4	...	...	2	7	...	8	2	8	2	2	2
(314)	Dentition	14	..	..	...	...	...	...	1	...	...	...	...	...	...	...	...	...
105	Diarrhea and enteritis (under 2 years)	1,504	2	5	21	9	11	5	...	10	40	9	21	13	14	4	20	16
106	Diarrhea and enteritis (over 2 years)	502	1	1	12	1	8	1	...	3	4	5	8	3	9	6	4	4
108	Hernia	56	..	..	2	...	...	...	...	...	1	...	1	2	...	1	1	...
	Obstruction of intestines	204	..	..	8	1	3	...	...	1	5	1	3	2	7	...	...	1
107, 109	Other diseases of intestines	78	..	..	2	1	...	...	...	1	1	...	4	...	2	1	...	1
110	Acute yellow atrophy of liver	14	..	..	...	...	...	...	...	...	...	1	...	...	...	...	...	...

counties, during the year 1904. (Stillbirths excluded.)

Keweenaw.																								Classification No.
Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	
....	1	....	....	....	2	....	3	..	....	2	2	.3	3	1	3	2	...	..	...	1	5	...	8	..	82
....	....	....	....	....	1	....	....	..	....	....	....	....	....	....	2	....	....	..	....	....	....	....	....	..	83
....	....	....	....	....	....	....	....	..	....	....	....	1	....	....	....	....	....	..	....	....	....	....	....	..	84
....	1	1	2	1	2	1	....	..	....	1	....	1	1	..	3	1	..	..	..	1	1	...	2	..	85-86
....	....	....	....	1	1	....	....	..	....	..	..	1	....	....	....	....	....	..	....	....	....	1	4	..	88
....	....	....	....	1	....	....	....	..	....	1	....	1	....	....	....	1	....	..	....	2	....	....	1	..	
....	....	....	....	....	1	....	....	..	....	....	....	....	1	....	....	....	....	..	....	....	....	....	....	..	89
2	2	2	4	3	2	6	7	3	7	5	5	2	21	6	5	7	1	8	2	9	7	2	18	1	90
1	3	....	....	2	2	....	12	..	3	3	3	3	9	2	8	6	...	..	1	3	9	1	28	1	91
1	3	....	19	5	9	4	4	..	4	6	1	6	36	6	6	2	...	1	5	11	8	...	38	..	92
5	10	3	27	6	33	11	48	4	10	10	24	21	68	17	36	37	10	2	20	52	39	6	149	4	93
...	....	....	....	....	....	1	1	..	1	2	...	...	4	...	...	...	...	..	...	3	1	...	2	..	94
....	2	....	2	1	2	2	....	1	1	...	3	2	4	1	3	3	...	2	1	2	5	1	18	..	95
....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	96
1	3	....	1	....	....	1	....	1	....	1	1	3	3	...	...	2	2	1	...	2	1	1	12	..	97, 98
....	....	....	....	1	2	....	....	..	1	1	...	...	...	...	...	...	...	..	...	1	1	...	5	..	87, 99
....	....	....	....	....	....	2	1	..	1	...	1	...	...	...	...	2	...	..	...	3	1	...	2	..	
....	....	....	....	....	1	....	....	..	....	....	....	....	....	....	....	....	....	..	1	....	....	....	1	..	100
1	....	....	....	....	1	....	....	..	....	....	....	....	....	1	3	...	...	..	1	...	...	...	1	..	101, 102
....	2	....	1	....	....	....	1	..	....	...	1	1	...	...	1	...	...	..	2	...	...	...	1	..	
....	1	....	....	1	2	1	2	..	1	1	...	1	...	2	1	2	...	..	...	1	1	1	5	..	103
1	6	....	....	3	1	3	7	..	1	1	5	2	1	4	3	5	2	1	4	2	7	1	19	..	104
2	1	....	3	....	3	2	4	2	2	2	4	2	3	8	1	9	1	..	2	4	4	1	29	..	
....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	(314)
3	7	3	32	33	10	11	13	3	14	15	11	9	65	14	16	10	6	9	5	12	20	4	108	8	105
....	3	....	8	5	8	1	11	..	1	24	8	3	6	4	10	9	4	..	6	5	10	5	26	1	106
2	1	....	....	....	2	....	....	..	....	2	...	...	2	2	1	...	...	..	...	...	1	...	2	..	108
1	....	....	3	1	4	3	2	..	2	5	1	4	4	3	2	4	1	..	1	5	3	...	9	..	
....	....	1	1	1	2	....	....	..	1	2	1	1	...	1	1	3	1	..	...	2	1	...	3	..	107, 109
....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	..	110

Table IV.—Continued.—Causes of death in Michigan.

Classification No.	Causes of death, 1904.	State.	Counties—Alcona.															
			Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
111	Hydatid tumors of liver	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
112	Cirrhosis of liver	243	..	..	6	3	..	1	..	..	9	2	2	1	7	5	3	..
113	Billary calculi	59	1	..	1	..	..	..	..	2	2	1	..	1	1	..	..	1
114	Other diseases of liver	193	..	..	6	1	2	..	..	1	4	1	5	5	3	1	1	1
115	Diseases of spleen	18	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..
116	Peritonitis	338	..	1	2	1	3	4	..	5	3	1	6	1	9	3	..	3
118	Appendicitis	336	..	..	5	2	3	4	..	2	13	1	..	3	9	2	1	1
117	Other diseases of digestive system	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VI. Diseases of Genito-urinary System.																	
119	Acute nephritis	163	..	..	1	2	..	2	..	..	5	1	..	1	2	2	..	2
120	Bright's disease	1,335	4	1	17	6	4	4	..	12	26	3	29	12	40	16	8	5
121	Other diseases of kidneys	79	..	..	1	1	..	..	..	..	1	..	2	1	..	..	..	2
122	Calculi of urinary tract	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Diseases of bladder	137	2	..	5	1	2	1	..	1	3	..	5	7	3	3	..	1
129	Uterine tumor	46	..	..	..	..	..	..	..	1	..	..	1	2	..	..	..	..
127, 128 130 131	Other diseases of uterus	32	..	..	1	..	..	..	..	..	..	..	1	..	..	1	..	1
	Ovarian tumor	47	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1
124–126 132, 133	Diseases of tubes	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other diseases of genito-urinary system	164	..	..	..	1	1	1	..	2	2	..	1	1	7	..	..	..
	VII. Childbirth.																	
137	Puerperal septicemia	223	..	..	4	7	4	3	2	..	6	2	4	3	6	2	2	2
138	Puerperal convulsions	88	..	2	3	..	..	..	..	1	2	1	1	..	1	..	..	1
134–136 139, 141	Other causes incident to childbirth	125	2	..	2	..	..	..	..	..	5	..	..	..	6	..	2	1
	VIII. Diseases of Skin.																	
142	Gangrene	127	..	..	3	1	..	..	..	4	5	..	1	3	2	1	1	..
143	Carbuncle	8	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..
144	Abscess	37	..	..	1	..	..	..	..	1	..	..	..	..	1	2	2	..
145	Other diseases of skin	23	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	IX. Diseases of Locomotor System.																	
146	Diseases of bones	49	1	..	..	..	..	1	1	1	2	..	..	..	2	..	1	..
147	Diseases of joints	6	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
148–149	Other diseases of locomotor system	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

by counties, during the year 1904. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
...	...	...	...	...	...	...	...	1	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	111
1	3	2	1	5	3	3	...	2	..	...	...	4	8	3	2	4	6	1	2	2	1	5	...	14	..	112
..	...	...	...	...	...	1	...	1	..	...	...	1	...	1	3	2	...	...	1	...	...	2	1	3	..	113
...	...	1	...	3	1	4	1	4	..	...	2	2	1	1	...	5	2	1	..	2	5	2	1	13	..	114
...	...	...	...	...	...	...	1	...	..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	..	115
1	2	4	...	2	2	3	2	4	..	3	2	1	3	7	3	8	6	1	1	3	9	7	...	31	1	116
1	...	1	...	3	1	3	2	3	..	2	2	6	2	10	5	9	6	1	1	1	10	8	...	16	..	118
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	..	117
...	2	1	...	3	3	3	2	2	..	1	1	1	3	2	1	1	2	1	..	3	5	4	...	19	..	119
6	8	13	2	5	1	22	10	29	..	...	14	16	11	33	25	29	21	4	..	12	26	72	5	74	2	120
...	...	3	...	1	...	1	1	1	1	...	...	...	1	3	...	2	2	...	..	1	1	1	1	7	..	121
...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	...	...	...	..	...	...	...	...	...	..	122
...	1	1	...	...	...	1	1	5	..	1	1	2	2	3	1	3	2	...	..	...	2	3	...	8	..	123
...	...	1	...	...	...	...	...	4	..	...	...	...	...	2	...	3	...	...	..	...	2	2	...	6	..	129
...	1	...	...	...	...	2	1	1	..	...	1	1	...	1	...	1	1	...	..	...	1	1	...	1	..	127, 128, 130
1	...	...	...	2	...	1	...	...	..	...	1	...	1	...	1	...	1	...	..	...	...	2	...	5	..	131
...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	...	...	...	..	...	...	...	...	...	..	124-126, 132, 133
1	1	3	...	...	1	1	2	6	..	...	...	1	2	2	4	2	...	1	..	2	4	7	...	11	1	
...	...	3	...	2	4	...	2	3	..	1	6	7	3	8	2	3	2	2	..	2	2	2	2	12	1	137
...	...	1	...	1	...	...	...	2	..	...	1	1	3	6	1	2	...	...	1	1	2	2	1	4	..	138
3	...	1	...	2	...	5	1	3	1	1	...	2	2	...	1	1	3	2	..	...	1	2	...	9	..	134-136, 139, 141
3	...	1	...	...	...	...	...	2	..	...	4	3	3	...	1	1	1	...	..	...	1	3	...	9	..	142
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	143
...	...	...	...	1	...	...	1	2	..	2	1	1	...	...	...	...	...	...	..	1	...	...	...	1	..	144
...	...	...	...	...	...	...	...	...	..	1	...	...	1	3	...	...	...	...	1	...	1	1	...	...	..	145
...	...	...	...	2	...	...	...	...	..	1	1	...	...	3	...	1	...	...	..	1	1	...	...	5	1	146
...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	...	...	...	..	...	...	...	...	...	..	147
...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	148-149

Table IV.—Continued.—Causes of death in Michigan.

Classification No.	Causes of death, 1904.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
	X. MALFORMATIONS.																	
	Hydrocephalus	28	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	..
150	Congenital malformations of heart (cyanosis)	187	..	..	3	..	3	..	..	..	7	2	4	..	1	..	2	1
	Other congenital malformations	173	..	..	1	..	3	..	..	2	6	4	1	2	3	2	1	..
	XI. EARLY INFANCY.																	
151-153	Premature birth	632	..	2	3	6	7	3	..	5	15	3	17	6	8	5	5	9
	Congenital debility	784	2	4	5	14	2	3	2	..	20	4	8	6	13	3	4	6
	OLD AGE.																	
154	Old age	1,216	1	3	28	8	4	1	..	10	29	2	19	13	17	7	11	4
	XIII. VIOLENCE.																	
155	Suicide by poison	122	..	..	2	1	1	..	..	1	6	..	2	2	2	1	..	..
156	Suicide by asphyxia	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Suicide by hanging	69	..	..	2	..	..	..	..	3	..	..	3	..	1	..	1	1
158	Suicide by drowning	15	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
159	Suicide by firearms	69	..	1	..	1	..	..	..	..	1	..	..	2	1	..	1	1
160	Suicide by cutting instruments	20	..	..	1	..	1	..	1	..	..	..	..	..	1	..	..	..
161	Suicide by jumping from high places	3	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
162	Suicide by crushing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
163	Suicideby other or unspecified means	12	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	..
164, 165	Fractures and dislocations	279	1	1	4	..	1	1	..	3	8	..	4	4	5	..	3	4
167	Burns and scalds	172	2	1	..	2	..	1	..	1	5	2	5	..	2	2	2	1
169	Heart and sunstroke	11	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
170	Cold and freezing	40	..	..	..	..	..	..	..	..	1	..	2	..	1	..	..	..
(171)	Lightning	13	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
172	Drowning	279	1	2	7	5	4	..	2	..	6	..	9	..	6	3	1	2
174	Inhalation of poisonous gasses	19	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	
175	Other accidental poisonings	115	..	..	..	2	1	..	2	1	..	3	5	..	3	..	1	..
166	Accidental gunshot wounds	103	1	1	2	..	1	..	..	4	3	..	2	..	1	1	1	1
	Injuries by machinery	55	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
	Injuries in mines and quarries	78	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
	Railroad accidents and injuries	248	..	..	1	..	2	1	1	..	3	1	12	3	10	2	3	5
	Injuries by vehicles and horses	70	..	..	1	2	..	..	1	3	2	..	..	1	2	..	2	1
	Injuries by electric cars	37	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..

by counties, during the year 1904. (Stillbirths excluded.)

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
2	....	1	....	....	....	2	....	1	..	....	....	....	1	3	2	1	....	1	..	....	1	....	....	....	..	
2	....	....	....	....	....	....	....	3	..	1	4	3	2	3	3	2	1	....	..	1	5	4	....	8	..	150
4	1	3	....	4	1	3	4	4	1	2	1	1	2	7	6	7	1	1	..	1	4	4	....	7	..	
9	4	5	2	6	10	9	11	6	1	14	4	9	6	23	11	5	4	3	2	3	13	11	....	27	1	151-153
7	1	1	....	10	8	8	9	12	1	9	6	6	3	27	12	7	4	4	6	3	10	12	2	52	1	
9	3	12	1	7	3	18	8	30	5	6	10	9	12	10	10	34	19	9	..	6	28	23	1	83	..	154
1	....	1	....	....	1	1	....	4	..	....	2	2	1	....	1	2	....	....	..	1	4	3	2	14	..	155
....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	156
....	....	2	....	....	....	1	....	1	..	1	....	....	....	1	....	1	3	....	..	....	1	1	....	3	..	157
....	....	....	....	....	....	....	....	....	..	....	2	....	....	....	....	1	1	....	..	....	....	....	....	1	..	158
2	1	1	....	1	1	2	....	....	..	....	....	....	....	2	....	1	....	....	1	....	1	2	....	6	..	159
1	....	....	....	....	1	....	....	....	..	....	....	....	....	....	....	....	1	....	..	....	....	....	....	....	..	160
....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	..	....	1	....	....	....	..	161
....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	..	162
....	....	1	....	....	....	1	....	....	..	....	....	....	....	....	....	2	....	....	1	....	1	....	....	....	..	163
....	....	5	1	4	3	2	....	8	2	3	1	2	2	10	1	9	5	1	2	1	6	13	....	19	2	164,165
1	....	2	2	5	5	3	1	1	..	1	1	4	4	5	3	9	3	....	2	2	1	2	....	4	..	167
....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	..	....	....	1	....	....	..	169
1	....	....	1	1	....	1	....	....	1	2	2	....	....	1	5	....	....	....	..	2	....	....	....	....	1	170
....	....	....	....	1	....	1	....	....	..	....	1	2	....	....	....	....	....	....	..	....	....	....	....	1	..	(171)
7	1	....	....	3	1	3	2	3	1	1	6	2	....	19	4	3	3	2	..	1	1	6	3	12	1	172
....	....	....	....	1	....	....	....	1	..	....	..	....	....	....	....	....	....	....	..	....	....	....	....	3	..	174
3	1	1	....	2	....	5	2	3	..	1	....	2	1	2	....	2	1	....	..	1	6	3	1	4	..	175
4	....	2	1	2	3	2	1	....	..	....	1	2	1	5	....	1	1	....	1	4	4	1	....	9	..	
1	....	1	....	1	....	....	4	1	..	....	2	....	1	1	1	1	....	....	1	....	....	1	....	3	..	
....	....	....	....	....	5	....	....	....	..	9	....	....	....	38	....	....	....	....	6	....	....	....	....	....	1	166
4	2	2	2	3	5	3	1	2	..	1	1	1	4	5	1	4	1	....	1	1	7	7	....	13	1	
....	....	2	....	2	....	2	....	1	..	....	2	1	....	....	....	2	....	1	1	1	....	1	1	1	..	
1	....	....	....	....	....	....	....	....	..	....	....	....	....	4	....	1	....	....	..	....	....	....	....	4	..	

Table IV.—Concluded.—Causes of death in Michigan,

Classification No.	Causes of death, 1904.	State.	Counties—Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
166, 168 [171] 176	Suffocation	84	..	..	1	2	...	...	...	...	3	2	4	...	2	...	1	...
	Other accidental injuries	432	2	1	8	4	1	1	1	5	8	1	12	6	10	1	5	5
	Injuries at birth	72	..	..	1	...	...	...	...	...	4	2	4	...	5	2	...	...
(176)	Homicide	27	..	..	...	...	...	...	...	...	...	...	...	...	1	...	...	...
	XIV. Ill-Defined Diseases.																	
177	"Dropsy"	142	..	..	...	1	1	...	...	3	2	1	...	6	4	1	2	...
	Heart failure	128	1	..	2	...	1	1	...	...	5	...	5	...	...	1	...	1
178, 179	Other ill-defined diseases	394	..	2	6	2	3	...	1	1	3	4	3	3	4	3	6	2
	Unknown (or unspecified)	237	2	1	3	5	1	7	3	...	3	1	5	2	...	1	1	4

by counties, during the year 1904. (Stillbirths excluded.)

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Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
2	1	....	2	4	2	1	1	2	..	....	1	....	....	....	....	5	2	....	..	2	1	2	....	4	..	166, 168
5	4	5	4	6	4	9	10	10	4	2	6	2	5	11	4	11	6	1	3	....	6	4	3	22	2	[171]
....	....	....	....	....	1	1	....	....	..	....	....	1	....	....	3	....	1	1	..	....	3	2	....	4	..	176
....	....	....	....	....	....	....	....	....	..	1	....	....	....	1	....	1	....	1	..	....	....	1	....	1	..	(176)
2	....	1	....	....	....	....	1	3	..	2	1	2	6	1	1	2	2	....	..	1	2	2	....	3	..	177
2	1	4	....	5	....	....	....	3	..	2	4	1	1	....	1	2	3	1	..	2	6	1	....	8	..	
4	2	5	....	5	8	2	3	8	..	3	5	8	1	11	....	2	6	2	3	3	8	3	2	14	..	178, 179
8	2	1	....	19	2	....	1	1	1	13	3	....	1	10	9	2	2	2	2	3	....	....	1	4	1	

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1904.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
	ALL CAUSES	60	419	143	703	262	59	102	505	313	493	243	279	282	156	108	421	433
	I. General Diseases.																	
	(*A. Epidemic diseases.*)																	
1	Typhoid fever	2	4	...	15	9	3	2	6	9	10	2	8	15	7	2	5	4
	Typhoid-malarial fever	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
4	Malarial fever	1	1	...	...	...	..	...	1	1	...	...	1	...	...	...	...	1
5	Smallpox	...	1	...	...	...	..	1	...	...	...	...	...	...	...	...	...	1
6	Measles	...	...	...	5	1	1	...	3	...	1	...	...	...	3	3	2	...
7	Scarlet fever	3	2	1	3	2	..	...	3	2	4	1	1	1	...	...	1	3
8	Whooping-cough	...	...	...	3	...	..	3	1	...	10	1	...	4	1	...	...	...
	Diphtheria	...	2	...	9	3	..	...	6	4	5	4	4	3	2	2	16	3
9	Croup	1	...	...	...	...	..	...	...	...	...	1	2	1	...	...	1	1
	Membraneous croup	...	1	...	...	...	..	...	1	2	2	...	...	...	...	...	...	...
10	Influenza	3	6	3	27	7	..	1	7	5	2	12	13	3	2	3	6	18
13	Cholera nostras	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
14	Dysentery	...	5	4	5	...	..	...	2	...	...	...	1	1	...	1	2	4
18	Erysipelas	...	6	1	2	1	..	...	...	1	1	1	1	1	...	1	...	3
	Chickenpox	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
	German measles	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
19	Mumps	...	...	...	...	...	..	1	...	...	...	...	...	...	...	...	...	...
	Other epidemic diseases	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
	B. Other general diseases.																	
20	Septicemia	...	4	...	1	3	1	1	2	5	1	2	1	2	...	1	2	2
27	Tuberculosis of lungs	5	20	15	37	11	3	11	37	18	35	20	11	15	8	7	31	29
26	Tuberculosis of larnyx	...	...	...	...	...	..	...	4	...	...	...	...	...	...	...	2	...
28	Tuberculous meningitis	...	...	...	2	...	..	...	2	2	2	3	1	...	...	...	3	...
29	Abdominal tuberculosis	...	1	1	1	1	..	...	3	...	3	...	...	1	1	1	7	2
30	Pott's disease	...	...	...	1	1	..	...	1	...	...	...	...	...	...	...	...	1
31	Tuberculous abscess	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
32	White swelling	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	1
33	Tuberculoris of other organs	...	...	...	...	1	..	...	...	...	...	...	...	...	1	...	...	...
34	General tuberculosis	...	...	...	1	...	..	...	...	...	...	...	2	1	...	...	...	...
35	Scrofula	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
36-38	Veneral diseases	...	1	1	...	...	..	...	...	...	2	...	1	...	...	...	...	1
39	Cancer of mouth	...	...	...	3	1	..	...	1	2	3	...	1	...	...	...	1	2

by counties, during the year 1904. (Stillbirths excluded.)

to Wexford.

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
55	516	251	644	238	97	98	224	11	83	498	96	32	1075	702	328	397	89	435	429	528	690	5954	255	
2	10	3	8	4	3	6	6	..	5	9	2	....	27	15	1	5	1	7	9	15	7	84	4	1
...	....	....	....	....	..	..	....	..	..	1	....	....	....	2	....	....	....	....	....	....	1	....	....	
...	2	1	1	1	2	..	1	..	..	1	....	....	2	1	1	2	1	2	1	....	3	5	....	4
...	1	....	....	....	..	..	1	..	..	....	....	....	1	....	2	....	....	....	....	....	1	3	....	5
4	6	....	2	4	..	..	....	..	..	1	....	....	1	4	1	....	1	....	3	4	7	51	....	6
...	6	....	6	....	..	..	1	..	1	....	2	....	3	3	1	2	....	1	1	2	1	38	....	7
...	10	....	....	....	..	2	....	..	..	3	1	....	....	2	1	....	....	....	....	....	1	9	....	8
6	4	....	1	2	1	2	....	..	..	1	1	3	7	9	2	2	1	4	1	2	2	167	....	
..	1	....	....	....	..	..	....	..	..	..	1	...	1	...	....	....	....	....	1	2	....	1	2	9
...	....	....	2	1	1	..	1	..	..	1	....	....	....	1	....	....	....	....	....	1	1	14	1	
...	7	14	19	11	2	5	6	..	..	18	....	....	29	14	10	9	1	21	8	11	22	47	6	10
...	....	....	3	....	1	..	....	..	..	1	....	....	....	2	1	1	....	1	....	....	....	8	....	13
...	....	2	3	....	..	..	....	..	2	2	1	....	10	....	3	5	....	5	....	2	1	16	2	14
...	6	....	2	2	..	1	....	..	..	3	....	1	....	2	....	1	....	....	2	1	1	24	1	18
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	2	....	
...	....	....	....	1	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	1	19
...	1	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	1	1	....	....	1	....	
..	4	1	....	4	..	..	2	..	..	2	1	1	8	8	1	2	2	2	2	....	5	40	2	20
3	38	15	37	17	4	9	22	2	1	39	4	1	86	30	24	23	5	30	28	30	49	461	14	27
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	1	....	....	7	....	26
...	3	1	2	1	..	..	1	..	..	....	....	....	2	3	....	1	....	....	3	4	2	28	....	28
...	1	....	2	1	1	..	1	..	..	....	....	....	4	1	2	2	....	2	3	3	4	23	1	29
...	....	....	1	....	..	..	1	..	..	....	....	....	1	....	....	....	....	....	....	....	....	3	1	30
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	1	....	31
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	1	....	....	1	5	....	32
...	1	1	....	1	..	..	....	..	..	2	....	....	3	1	1	3	....	1	....	2	3	8	....	33
...	....	....	1	....	..	..	....	..	..	....	....	....	1	1	1	1	....	....	....	1	1	9	....	34
...	....	....	....	1	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35
...	1	1	2	....	..	..	....	..	..	1	....	....	1	1	....	1	....	....	....	2	....	48	1	36-38
...	1	2	....	2	..	1	3	..	..	1	....	....	2	1	....	3	1	....	1	....	2	15	1	39

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1904.	Counties—Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Milwaukee.	Monroe.	Montcalm.
40	Cancer of stomach and liver	...	8	2	11	5	..	....	13	2	17	3	7	6	5	2	10	4
41	Cancer of intestines	...	...	1	6	3	..	....	1	2	1	....	....	1	....	....	1	2
42	Cancer of genital organs	...	3	...	4	2	..	....	2	1	....	1	2	1	2	....	6	3
43	Cancer of breast	1	3	...	3	1	..	....	5	1	1	2	....	....	1	....	2	5
44	Cancer of skin	...	2	3	7	2	..	....	....	....	....	....	....	....	....	....	2	2
45	Cancer of other organs	2	4	1	6	3	..	....	3	2	....	1	2	1	1	....	8	6
46	Tumors	1	1	...	3	...	..	....	2	....	....	5	....	....	2	1	2	....
47–48	Rheumatism	...	3	...	6	1	..	1	3	2	....	....	2	1	1	....	2	1
50	Diabetes	...	7	...	5	2	..	....	7	1	4	1	1	2	1	1	2	3
53–54	Anemia, leukemia	...	2	1	7	3	..	2	3	3	7	1	3	1	1	....	3	5
56	Alcoholism	...	1	...	1	...	2	1	2	1	3	2	....	1	1	1	1	1
57–59	Chronic poisonings	...	...	...	...	1	..	....	1	....	....	....	1	1	....	....	1	..
55 etc.	Other general diseases	...	1	...	1	...	..	....	2	1	4	....	1	1	....	....	....	..
	II. Diseases of Nervous System.																	
60	Encephalitis	...	1	...	2	2	..	1	1	2	....	....	....	....	1	....	1	1
61	Meningitis	...	3	3	9	4	1	....	4	3	10	1	5	7	5	2	3	3
62	Locomotor ataxia	...	1	...	1	...	..	....	....	....	1	1	....	2	....	....	....	1
63	Other diseases of spinal cord	...	2	...	3	1	..	1	1	2	1	1	2	....	....	1	1	2
64	Apoplexy	2	18	...	28	17	..	4	38	18	18	8	16	7	5	1	27	17
65	Softening of brain	...	2	...	5	...	..	....	3	....	....	....	1	1	....	1	1	.
66	Paralysis	5	21	5	33	8	1	3	12	1	6	6	4	3	2	4	13	23
67	General paralysis of insane	...	1	3	7	2	5	....	2	....	....	....	3	....	....	....	3	2
68	Other forms of mental disease	...	1	1	2	1	4	....	....	....	1	....	1	....	....	....	....	....
(74)	Other diseases of the brain	...	1	2	5	...	..	....	3	1	4	....	2	....	1	....	1	2
69	Epilepsy	1	11	1	2	2	5	....	5	3	2	2	1	1	....	....	1	1
70–71	Convulsions	...	4	6	1	1	..	4	4	8	2	2	....	6	4	1	5	5
72	Tetanus	...	...	1	2	...	..	....	1	....	1	....	....	....	....	....	..	2
73–76	Other diseases of nervous system	...	5	...	3	2	1	2	3	1	....	4	1	1	....	1	4	5
	III. Diseases of Circulatory System.																	
77	Pericarditis	...	...	1	...	1	..	1	3	....	1	....	1	1	1	....	....	.
78	Endocarditis	...	2	...	...	1	..	1	5	....	2	....	1	2	1	....	1	4
79	Heart disease	4	40	14	110	50	..	6	61	25	29	26	25	21	15	5	33	41
80	Angina pectoris	...	3	1	6	3	..	....	2	....	1	....	5	....	....	....	..	3
81	Diseases of arteries	...	..	..	5	1	1	1	....	1	5	1	....	1	....	..	3	..

counties, during the year 1904. (Stillbirths excluded.)

Wexford.																								
Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
8	5	7	4	2	2	....	..	1	20	....	....	20	18	9	7	1	13	5	17	13	124	5	40
4	1	5	....	..	..	....	..	..	7	....	....	7	3	5	....	....	....	1	2	7	37	....	41
4	1	4	1	..	..	....	..	3	....	....	....	10	9	2	1	....	3	4	3	10	35	....	42
2	1	4	....	1	..	1	..	..	3	....	....	5	....	1	2	....	4	3	3	4	23	....	43
1	....	2	2	..	..	....	..	2	....	....	....	3	1	1	1	....	....	3	2	1	8	....	44
5	3	10	1	..	..	1	..	..	5	....	....	16	6	6	2	....	7	6	4	8	41	1	45
....	....	1	....	..	..	....	..	..	....	1	....	4	1	....	2	....	....	1	....	3	7	....	46
6	....	5	1	..	1	2	..	..	4	....	....	3	3	2	1	....	7	5	3	4	31	5	47-48
8	6	2	2	..	..	2	..	..	2	3	....	14	7	4	7	....	3	5	4	5	39	3	50
7	3	5	1	3	..	2	..	1	7	....	....	8	6	3	5	1	5	4	8	5	30	....	53-54
1	....	1	1	..	..	2	..	..	....	....	....	....	....	2	1	2	....	....	....	4	24	....	56
1	....	....	....	..	..	....	..	..	....	....	....	1	1	....	....	....	....	....	1	2	4	....	57-59
1	....	1	....	..	..	1	..	..	....	....	....	....	....	1	....	....	....	....	2	3	12	....	55 etc.
1	1	....	....	1	..	....	..	..	....	1	....	2	1	....	1	....	....	1	....	1	9	2	60
3	3	2	2	1	..	1	..	..	7	....	1	8	9	1	4	2	7	5	3	3	92	1	61
2	1	....	....	..	..	....	..	..	1	....	....	1	2	4	2	....	1	....	3	1	5	....	62
1	....	2	2	..	1	1	..	..	2	....	....	4	2	4	3	1	1	3	1	6	17	1	63
16	7	65	7	2	1	15	..	..	26	2	....	39	37	24	21	4	13	23	24	48	189	4	64
2	....	3	1	..	..	....	..	..	3	....	....	2	2	1	3	4	5	2	3	....	6	....	65
19	14	16	6	1	..	6	..	1	6	2	3	24	12	14	7	3	20	14	21	16	101	6	66
1	....	18	....	..	..	1	..	..	....	....	....	7	2	2	....	1	6	2	4	1	18	1	67
1	....	12	....	..	..	....	..	..	....	1	....	....	....	1	1	....	....	2	1	....	30	....	68
1	....	3	....	..	..	....	..	..	1	....	1	1	1	....	1	....	1	1	1	3	11	....	(74)
2	1	5	1	..	..	....	..	1	1	1	1	5	2	....	....	....	1	2	1	2	21	....	69
3	5	2	1	1	..	1	..	2	4	7	....	23	9	3	13	1	2	10	5	8	169	4	70-71
....	....	1	....	..	..	....	..	..	1	....	....	1	2	2	1	....	....	....	....	2	4	....	72
....	....	5	3	..	..	1	..	1	3	....	....	5	6	2	1	....	....	1	2	1	15	2	73-76
1	....	....	....	..	..	....	..	..	4	....	....	2	3	2	....	....	....	1	....	1	9	....	77
4	1	2	3	..	1	1	..	..	2	....	....	3	4	2	....	....	1	2	5	5	20	1	78
51	35	68	32	5	5	13	2	3	48	2	2	113	82	37	44	7	43	49	79	88	417	28	79
2	1	4	....	..	1	....	..	..	6	....	....	10	5	1	2	1	2	1	4	3	29	2	80
4	....	1	1	1	..	1	..	..	4	....	....	3	6	....	2	....	....	1	5	6	27	....	81

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death 1904.	Counties—Lake.																
		Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Milwaukee.	Monroe.	Montcalm.
82	Embolism and thrombosis	...	4	...	1	3	..	1	1	....	2	....	2	....	....	....	1	1
83	Diseases of veins	...	...	...	1	1	..	....	....	....	....	....	1	....	....	....	....	....
84	Diseases of lymphatics	..	..	...	..	...	..	....	....	....	....	....	....	....	....	....	....	....
85–86	Other diseases of circulatory system	1	...	...	...	...	..	....	....	....	....	....	1	....	....	....	1	3
	IV. Diseases of Respiratory System.																	
88	Laryngitis	...	...	...	...	...	..	....	....	....	....	....	....	....	....	....	....	....
	Other diseases of larynx	...	...	...	...	...	..	....	....	2	1	....	....	....	....	....	....	....
89	Diseases of thyroid body	...	..	...	...	...	..	....	....	....	....	....	....	....	....	....	....	....
90	Acute bronchitis	...	6	3	8	...	..	....	2	3	12	3	5	2	2	....	2	2
91	Chronic bronchitis	1	9	2	10	4	1	....	3	4	11	6	1	2	....	....	6	7
92	Bronchopneumonia	...	7	...	8	3	..	2	6	2	10	6	2	8	2	....	8	3
93	Pneumonia	...	30	7	31	8	3	4	20	22	29	18	14	22	10	9	37	25
94	Pleurisy	...	2	...	...	...	1	....	....	2	3	....	1	....	....	....	1	2
95	Congestion of lungs	...	3	1	5	2	1	....	3	....	5	2	1	....	5	2	....	2
96	Gangrene of lungs	...	...	...	...	...	..	1	....	....	....	....	....	....	....	....	....	....
97, 98	Asthma and emphysema	...	...	...	1	1	..	....	....	1	1	3	....	....	....	....	....	....
87, 99	Hemorrhage of lungs	...	1	1	...	...	..	....	1	1	....	....	....	1	....	....	....	....
	Other diseases of respiratory system	...	3	...	1	...	..	1	1	1	1	....	....	....	....	....	5	4
	V. Diseases of Digestive System.																	
100	Diseases of mouth	..	...	1	..	...	..	....	....	....	....	....	1	....	....	1	2	....
101, 102	Tonsilitis	...	1	.	1	...	1	...	....	....	....	1	....	....	....	....	1	1
	Other diseases of pharynx	...	1	...	1	...	..	1	...	....	....	....	....	....	....	....	....	....
103	Ulcer of stomach	..	1	.	3	1	..	....	3	1	1	1	2	....	....	....	2	2
104	Gastritis	..	...	1	2	2	..	1	2	6	3	5	3	....	2	1	3	4
	Other diseases of stomach	1	2	1	6	1	..	....	3	2	4	2	3	5	....	4	5	7
(314)	Dentition	..	..	.	.	.	1	...	1	...	...	....	....	....	....	....	....	....
105	Diarrhea and enteritis (under 2 years)	4	13	9	14	2	1	2	15	19	40	12	7	19	15	13	13	20
106	Diarrhea and enteritis (over 2 years)	2	11	5	14	5	1	...	5	5	4	3	7	2	3	6	5	6
108	Hernia	..	..	..	1	1		1	2	1	...	...	....	1	....	....	....	2
	Obstruction of intestines	1	3	1	6	1	.	1	3	1	4	2	1	2	1	....	3	1
107, 109	Other diseases of intestines	...	2	..	...	..	..	....	...	1	1	....	....	1	....	....	1	1
	In yellow atrophy of liver	...	...	...	...	..	..	....	....	....	....	....	....	1	....	....	....	1

by counties during the year 1904. (Stillbirths excluded.)

to Wexford.

Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
...	1	....	3	1	..	..	1	..	..	....	....	....	2	1	1	1	....	2	2	....	3	11	....	82
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	2	....	2	....	83
...	....	....	....	....	..	..	....	..	..	....	....	....	....	1	....	....	....	....	....	....	....	....	2	84
1	1	....	1	....	..	..	1	..	..	1	....	....	1	3	....	....	....	....	....	1	2	10	2	85-86
...	....	....	....	....	..	..	....	..	..	....	....	....	1	....	....	....	....	1	....	....	....	1	....	88
...	....	....	1	....	..	..	....	..	..	1	....	....	....	1	....	....	....	....	....	2	....	8	1	
...	....	....	1	....	..	..	....	..	..	....	....	....	....	2	....	....	....	....	....	....	....	1	....	89
...	1	6	3	1	3	6	5	..	1	5	1	....	7	7	3	3	....	2	3	3	6	108	5	90
2	6	3	7	....	..	1	2	..	1	10	....	....	17	5	5	4	....	2	6	3	6	77	1	91
3	8	4	5	3	4	2	2	..	1	7	1	....	12	13	2	1	1	1	8	5	7	125	3	92
2	28	10	40	19	12	4	11	2	11	26	4	6	68	41	18	29	2	29	31	30	30	389	18	93
...	1	2	1	....	..	..	1	..	..	1	....	....	2	....	....	1	....	2	2	1	1	8	....	94
...	....	2	6	1	..	..	1	..	1	4	....	....	4	1	1	....	2	....	2	4	3	23	1	95
...	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	1	....	....	....	3	....	96
...	2	....	1	1	..	..	....	..	..	....	1	....	1	3	....	3	....	3	....	2	1	27	1	97, 98
...	1	....	1	1	..	..	....	..	1	2	....	....	3	2	....	....	....	....	....	3	2	5	1	87, 99
...	2	....	2	1	..	..	....	..	..	3	3	....	5	4	3	3	....	2	....	....	9	15	....	
...	3	1	....	....	..	..	....	..	..	....	....	....	2	....	1	....	....	....	....	....	....	6	....	100
...	....	1	2	....	..	..	1	..	..	....	....	1	3	....	....	....	....	....	1	....	1	3	....	101, 102
...	....	....	1	....	..	..	....	..	2	....	....	....	2	....	....	....	....	3	1	....	....	5	....	
...	....	2	1	....	..	..	....	..	..	....	....	....	3	2	2	....	1	....	2	2	2	12	....	103
...	5	4	2	....	2	2	1	..	..	6	....	....	8	8	3	1	....	6	4	1	2	51	2	104
...	3	3	4	1	1	..	1	..	..	8	6	....	7	9	2	2	1	5	1	5	3	30	1	
...	....	....	....	....	..	..	....	..	..	....	....	....	....	2	....	1	....	....	....	....	1	7	....	(314)
4	15	9	8	9	8	5	14	..	6	16	5	....	47	25	3	15	5	10	9	20	14	363	14	105
1	11	6	7	6	..	3	4	..	3	7	1	....	9	7	2	5	....	11	3	5	5	79	5	106
1	....	....	3	1	2	..	....	..	..	2	....	....	3	1	....	1	....	....	....	....	1	8	1	108
...	1	2	6	2	..	..	3	..	..	4	1	....	4	11	1	3	....	1	....	3	2	37	2	
...	....	...	2	2	1	..	....	..	..	5	1	....	4	1	2	1	....	1	1	....	3	10	1	107, 109
...	....	1	....	2	..	..	1	..	..	....	....	....	....	....	....	....	....	....	....	....	1	5	....	110

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death, 1904.	Counties—Lake	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
111	Hydatid tumors of liver	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
112	Cirrhosis of liver	2	3	...	3	...	...	...	4	3	1	4	...	2	...	...	2	3
113	Biliary calculi	...	1	...	1	1	...	...	3	...	...	...	...	1	...	...	...	...
114	Other diseases of liver	...	7	...	3	1	...	...	3	1	2	3	4	1	3	...	4	5
115	Diseases of spleen	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
116	Peritonitis	...	5	2	9	2	...	3	4	3	3	2	4	2	2	...	6	5
118	Appendicitis	3	4	1	9	6	1	1	4	4	10	2	5	3	...	2	3	3
117	Other diseases of digestive system	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
	VI. Diseases of Genito-urinary System.																	
119	Acute nephritis	...	...	...	4	1	2	...	3	1	...	...	3	...	...	...	4	1
120	Bright's disease	1	13	3	21	9	1	5	33	12	27	9	16	7	5	7	9	18
121	Other diseases of kidneys	...	1	...	...	...	...	...	1	3	1	1	1	...	1	...	1	2
122	Calculi of urinary tract	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	...	...
123	Diseases of bladder	1	...	1	5	1	1	...	1	1	1	1	...	...	1	...	...	3
129	Uterine tumor	...	...	...	2	...	...	...	1	...	1	...	...	...	...	...	...	...
127, 128, 130, 131	Other diseases of uterus	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
	Ovarian tumor	...	...	...	1	2	...	2	...	1	...	...	...	...	...	...	3	...
124-126, 132, 133	Diseases of tubes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other diseases of genito-urinary system	...	2	1	7	3	...	...	4	3	3	1	5	...	1	...	2	5
	VII. Childbirth.																	
137	Puerperal septicemia	1	1	2	3	1	1	...	1	3	1	...	2	2	2	1	4	2
138	Puerperal convulsions	1	1	...	...	1	...	...	...	1	...	2	1	...	...	1	1	...
134-136, 139, 141	Other causes incident to childbirth	1	3	...	1	1	1	...	1	...	...	...	2	2	...	...	...	2
	VIII. Diseases of Skin.																	
142	Gangrene	...	...	1	7	1	...	...	3	...	2	...	1	2	2	1	2	1
143	Carbuncle	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
144	Abscess	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	3	1
145	Other diseases of skin	...	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...
	IX. Diseases of Locomotor System.																	
146	Diseases of bones	...	1	...	...	...	...	...	...	1	2	...	1	1	...	...	...	2
147	Diseases of joints	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
148-149	Other diseases of locomotor system	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

y counties during the year 1904. (Stillbirths excluded.)

Wexford.																								Classification No.
Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	111
1	1	1	8	4	1	..	1	..	2	4	2	....	5	5	....	3	....	3	1	1	3	58	1	112
..	....	1	1	....	1	1	1	..	..	3	....	....	2	1	1	....	1	....	1	3	4	5	....	113
..	3	4	2	2	..	..	2	..	..	....	....	....	8	3	1	3	1	2	1	7	3	30	2	114
..	....	....	....	1	..	..	....	..	..	....	....	....	....	1	1	....	....	1	....	2	1	3	....	115
..	4	1	4	....	..	2	3	..	1	3	....	1	11	3	1	6	....	9	9	8	10	60	2	116
..	1	2	2	2	..	..	2	..	..	4	....	1	26	6	3	5	....	3	6	....	10	60	3	118
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	1	....	....	....	....	....	....	....	117
..	2	1	4	1	1	2	....	..	..	5	....	....	6	5	2	1	....	1	1	....	2	32	....	119
1	28	7	34	5	4	3	15	..	1	20	3	....	30	34	21	10	2	20	16	18	34	243	8	120
1	2	1	2	....	1	..	....	..	..	....	....	....	2	1	....	1	....	1	1	2	3	13	1	121
..	....	....	1	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	122
..	1	....	2	....	..	..	1	..	..	6	1	....	6	4	5	5	....	3	2	1	2	8	2	123
..	2	....	....	....	..	..	....	..	..	....	1	....	1	1	....	....	....	2	....	....	....	11	....	129
..	1	1	....	....	..	..	....	..	..	....	....	....	1	2	....	1	....	1	2	1	....	3	....	127, 128
..	1	....	2	....	..	..	....	..	..	2	....	....	1	....	1	....	....	....	....	1	4	6	2	130, 131
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	124–126, 132, 133
..	1	1	3	1	..	..	....	..	..	2	....	....	2	4	4	2	....	3	....	4	8	24	....	
..	4	1	1	4	..	..	....	..	..	4	....	....	9	3	3	4	1	2	1	1	6	35	1	137
..	1	4	....	1	1	..	2	..	..	....	1	....	2	1	....	....	....	3	5	2	1	13	1	138
..	4	2	4	....	..	..	4	..	2	1	....	....	3	1	2	4	1	2	1	....	3	17	2	134–136, 139, 141
..	....	....	2	1	..	..	2	..	..	1	1	....	5	1	3	1	1	2	1	3	5	20	2	142
..	1	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	1	....	1	....	143
..	....	....	....	1	..	..	....	..	..	3	....	....	....	....	....	1	....	1	1	2	....	4	1	144
..	....	....	1	....	..	..	....	..	..	2	....	....	....	1	....	1	....	....	1	1	....	4	....	145
..	....	1	1	....	..	..	....	..	..	1	....	....	....	....	1	1	....	2	....	....	1	7	1	146
..	....	....	....	....	..	..	....	..	..	....	....	....	1	....	....	....	....	1	....	....	....	....	....	147
..	....	....	....	....	..	..	....	..	..	....	....	....	....	....	....	....	....	....	....	....	1	1	....	148–149

Table IV.—Continued.—Causes of death in Michigan,

Classification No.	Causes of death ,1904.	Counties—Lake	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
	X. MALFORMATIONS.																	
	Hydrocephalus	...	...	3	1	1	..	1	1	...	...	...	...	...	...	...	1	...
150	Congenital malformations of heart (cyanosis)	...	2	...	9	1	..	...	2	2	2	4	4	4	...	1	3	4
	Other congenital malformations	...	5	1	4	2	..	3	2	2	1	...	...	3	...	...	3	3
	XI. EARLY INFANCY.																	
151-153	Premature birth	1	6	4	5	5	..	3	4	9	11	4	5	7	4	2	6	4
	Congenital debility	2	8	3	9	...	1	...	12	6	15	4	2	7	2	2	9	10
	XII. OLD AGE.																	
154	Old age	...	19	5	29	6	1	7	30	11	6	10	10	5	1	...	10	17
	XIII. VIOLENCE.																	
155	Suicide by poison	...	1	...	3	...	..	1	2	...	...	1	1	...	1	...	...	...
156	Suicide by asphyxia	...	...	...	...	...	..	...	1	...	...	...	1	...	...	...	...	...
157	Suicide by hanging	...	...	...	2	...	..	...	3	2	3	...	...	5	1	...	...	2
158	Suicide by drowning	...	...	1	...	...	..	...	...	...	...	...	...	1	...	..	...	...
159	Suicide by firearms	...	...	...	3	1	..	...	...	...	...	2	..	1	...	...	...	1
160	Suicide by cutting instruments	...	...	...	...	...	..	...	...	...	1	...	1	...	...	...	...	...
161	Suicide by jumping from high places	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
162	Suicide by crushing	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
163	Suicide by other or unspecified means	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
164, 165	Fractures and dislocations	...	3	...	3	3	..	1	5	...	3	1	1	6	1	1	3	...
167	Burns and scalds	...	...	1	2	1	..	1	1	5	6	1	3	3	2	2	3	2
169	Heat and sunstroke	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
170	Cold and freezing	...	...	...	...	...	1	1	...	1	1	...	...	1	...	1	...	...
(171)	Lightning	...	1	...	...	...	..	...	...	...	...	...	1	...	...	...	...	...
172	Drowning	1	2	..	...	2	1	2	...	2	10	4	...	2	2	...	6	...
174	Inhalation of poisonous gases	...	...	...	...	...	..	...	...	...	1	...	..	...	...	...	...	...
175	Other accidental poisonings	...	1	2	1	1	..	...	...	1	2	1	1	1	...	...	1	...
	Accidental gunshot wounds	...	2	...	1	...	..	1	1	2	1	1	2	3	..	...	...	...
	Injuries by machinery	...	...	...	1	2	..	...	...	...	1	...	...	2	...	...	1	...
	Injuries in mines and quarries	...	...	...	...	...	..	...	...	1	13	...	...	...	...	...	...	...
166	Railroad accidents and injuries	3	2	2	6	2	1	1	1	3	8	1	1	3	2	..	3	1
	Injuries by vehicles and horses	...	1	..	1	...	..	...	1	1	...	...	1	1	...	..	1	1
	Injuries by electric cars	...	...	...	...	...	..	...	2	...	...	...	...	...	...	...	...	...

y counties during the year 1904. (Stillbirths excluded.)

Wexford.																										
Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
																						1	1	
1			7	3			3		1	1			7	1		1		2	3	3	3	41	7	150
1	2	1	5	4	3	1	1		2	2	1		1	1	1	1			4	2	3	13	1	
2	17	5	5	3	8	5	5	1	3	8			23	11	3	6	4	7	9	14	3	109	8	151–153
	9	2	11	4	2	3	1	1	1	9	1		22	15	1	8	4	6	11	6	7	243	8	
	16	10	27	8	2	2	8		2	20	9		42	40	9	22	1	15	19	14	30	238	2	154
	2	1	4										5	1	1			4		1	2	32	1	155
			1										1									1		156
		1	2			1							2		1	1				1	3	11	2	157
																					5	2		158
	1	1	1	1	1				1			1	2	1		1		1		1	2	16	1	159
1			1							1			1				1	1				4	1	160
																								161
																								162
													1									1		163
	4		6	2	2	1	4			3			10	5	1		1	6	3	4	8	46	1	164, 165
	1		2	1	2	1			2	2		1	5	2		1	1	2	3		2	23	1	167
									1							1						7		169
						2		1		1	2		1			1	2					2		170
							1							2										(171)
	11	1	4	2		3	4			4		1	16	13	4	1	1	1	2	5	4	32	3	172
			1							1			1	1								7		174
		2	4			1							6	3	3	1			2		3	18	1	175
		3	1				2		1			2					1	2		1	1	12		
1	2	1					7		1	1			1		1						1	10	1	
						1							1									1		
	2		2	1		2	3		2	1			13	3	2		3	4	3	5	8	33	5	166
	3	2	1	1			1			3			3	2	1	3		1	1	1	1	5		
			2											1							2	19		

Table IV.—Concluded.—Causes of death in Michigan,

Classification No.	Causes of death 1904.	Counties—Lake																
		Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
166, 168 [171] 176	Suffocation	...	2	...	1	...	..	1	2	1	1	1	1	....	1	....	2	2
	Other accidental injuries	...	1	...	8	2	2	1	9	8	5	1	3	7	2	2	1	7
	Injuries at birth	...	1	1	1	...	..	....	....	1	....	....	1	1	....	....	....	....
(176)	Homicide	...	...	..	...	...	..	....	....	....	....	2	...	1	....	....	....	1
	XIV Ill-Defined Diseases.																	
177	"Dropsy"	...	6	...	9	1	..	1	2	....	1	....	1	1	1	4	3	5
178, 179	"Heart failure"	...	...	1	...	1	1	....	3	1	1	1	1	4	....	1	2	...
	Other ill-defined diseases	1	6	3	7	1	4	....	8	4	6	....	3	2	1	1	3	4
	Unknown (or unspecified)	1	2	...	6	3	..	3	1	7	3	....	1	4	2	1	3	1

y counties, during the year 1904. (Stillbirths excluded.)

Wexford.																								
Montmorency	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification No.
..	....	....	1	....	..	..	....	..	..	1	....	....	3	1	....	1	2	3	2	....	....	6	2	166, 168 (171) 176
1	7	1	7	5	1	4	1	..	3	6	1	....	15	10	1	4	2	7	11	8	5	40	7	
..	5	1	2	1	..	..	....	..	..	2	....	....	2	3	....	....	1	....	....	1	2	11	..	
..	....	....	....	....	..	1	....	..	..	1	....	....	....	3	....	....	1	....	....	1	....	9	..	(176)
..	2	....	3	1	..	..	....	..	..	4	1	....	4	4	3	7	....	2	....	2	3	15	3	177
..	5	4	4	1	..	..	....	..	..	....	3	....	5	4	1	6	2	....	....	2	..	8	2	178, 179
1	9	1	6	....	1	..	1	..	4	4	1	1	10	4	5	4	1	3	6	11	5	109	2	
3	7	....	4	1	..	1	2	2	2	1	11	3	3	1	4	5	1	1	2	2	2	12	2	

TABLES

RELATING TO

MARRIAGES

IN

MICHIGAN

DURING THE

YEAR 1904.

PRIMARY TABLES RELATING TO MARRIAGES IN MICHIGAN DURING THE YEAR 1904.

TABLE I.—Marriages in Michigan, by months and counties, during the year 1904.

TABLE II.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

TABLE III.—Marriages and persons married in Michigan, by nativity and counties, during the year 1904.

TABLE IV.—Marriages in Michigan, by ages of males and females, married during the year 1904.

TABLE V.—Probate marriages in Michigan, by ages of males and females, married during the year 1904.

NOTE.—Secondary tables containing marriage rates and other rates, and comparative tables, displaying the facts relative to marriages in Michigan for the year 1904 in connection with previous years and other states and countries, may be found on preceding pages of this report, together with the descriptive text.

Table I.—Marriages in Michigan, by months and counties, during the year 1904.

State and counties.	Year, 1904.	Months, 1904.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
STATE	24,918	1,498	1,454	1,466	2,065	1,847	2,966	1,813	2,081	2,460	2,490	2,647	2,125	6
Alcona	31	2	0	2	2	3	5	2	1	1	4	5	4	.....
Alger	57	7	5	1	0	4	7	5	7	6	2	9	4	.....
Allegan	342	27	18	25	33	21	47	17	23	28	38	35	30	.....
Alpena	163	2	9	7	13	12	25	18	14	15	13	19	16	.....
Antrim	136	6	8	11	13	7	16	7	9	16	16	11	16	.....
Arenac	92	8	9	10	11	8	7	5	5	7	5	10	7	.....
Baraga	48	3	3	2	4	3	2	5	1	4	8	7	6	.....
Barry	202	11	14	27	21	9	15	10	12	16	21	26	20	.....
Bay	582	48	37	34	54	36	58	34	48	59	53	78	43	.....
Benzie	101	5	8	5	8	14	8	6	11	9	9	7	11	.....
Berrien	1,131	31	27	54	52	69	158	206	165	161	80	71	57	.....
Branch	261	14	10	22	17	18	27	17	28	21	27	32	28	.....
Calhoun	564	17	44	38	46	34	68	40	55	64	59	57	42	.....
Cass	229	18	14	18	18	14	22	15	22	21	20	26	21	.....
Charlevoix	132	11	4	9	8	13	12	9	13	15	14	10	14	.....
Cheboygan	149	11	10	7	8	9	16	16	14	15	15	16	12	.....
Chippewa	240	19	10	13	19	22	36	22	21	20	21	22	15	.....
Clare	98	10	2	6	6	6	6	7	12	8	15	8	12	.....
Clinton	213	18	23	10	25	17	17	8	20	13	17	29	16	.....
Crawford	36	5	1	0	2	5	1	4	3	2	7	4	2	.....
Delta	257	16	10	16	16	21	26	27	20	26	32	33	14	.....
Dickinson	195	16	6	10	20	14	16	13	22	20	18	26	14	.....
Eaton	319	21	20	22	21	23	39	27	21	29	28	37	31	.....
Emmet	172	11	7	11	16	9	19	13	12	21	14	22	17	.....
Genesee	413	20	24	36	32	39	59	24	25	36	35	49	34	.....
Gladwin	81	2	5	5	5	5	12	7	7	6	11	4	12	.....
Gogebic	182	16	10	11	14	23	14	13	19	23	11	14	14	.....
Grand Traverse	254	21	15	6	14	22	28	21	24	34	25	22	22	.....
Gratiot	306	18	26	27	16	22	24	22	18	19	33	34	45	2
Hillsdale	284	14	18	26	16	18	28	16	26	22	25	38	37	.....
Houghton	732	44	51	35	58	52	82	59	71	74	76	81	49	.....
Huron	298	16	22	15	22	35	16	15	26	26	38	33	34	.....
Ingham	428	40	31	36	26	31	52	25	36	36	34	36	45	.....
Ionia	375	25	31	26	24	21	45	16	24	35	32	43	53	.....
Iosco	91	6	13	2	5	7	9	9	9	5	11	9	6	.....
Iron	80	4	2	6	6	6	9	7	5	7	9	6	13	.....
Isabella	232	15	17	15	27	18	27	8	9	24	22	24	26	.....
Jackson	514	21	43	41	43	45	60	30	42	34	64	46	45	.....
Kalamazoo	576	33	35	25	49	38	77	33	41	54	62	69	60	.....
Kalkaska	81	5	5	7	5	7	10	6	10	5	7	9	5	.....
Kent	1,498	82	85	88	121	126	201	117	120	158	149	137	114	.....
Keweenaw	31	0	0	1	1	3	3	3	4	4	8	2	2	.....
Lake	36	3	2	1	1	5	6	0	2	5	3	0	8	.....
Lapeer	249	15	10	17	28	8	21	19	22	12	36	32	29	.....
Leelanau	98	4	4	2	10	4	7	4	14	9	11	22	7	.....
Lenawee	442	24	37	30	37	30	44	23	26	47	58	40	45	.....
Livingston	155	11	13	11	11	11	15	9	9	14	15	24	13	.....
Luce	32	0	2	3	1	2	4	1	7	1	2	5	4	.....
Mackinac	64	3	8	2	1	5	5	7	5	9	6	9	4	.....
Macomb	248	20	19	11	25	19	35	7	11	15	29	32	25	.....
Manistee	213	11	10	7	20	23	33	9	23	18	20	23	16	.....
Marquette	304	23	17	15	26	24	32	22	29	29	41	28	18	.....
Mason	169	17	8	10	10	16	21	14	13	12	17	19	12	.....
Mecosta	141	10	8	14	26	17	18	14	11	21	2	.....	.....	.....
Menominee	456	39	27	17	44	33	35	47	49	52	40	44	29	.....
Midland	134	9	6	9	9	10	15	11	8	14	15	12	16	.....
Missaukee	96	6	4	5	15	1	8	10	5	7	9	22	4	.....
Monroe	457	24	30	21	44	45	50	24	31	47	39	57	45	.....

Table I.—Concluded.—Marriages in Michigan, by months and counties, during the year 1904.

Counties.	Year, 1904.	Months, 1904.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Montcalm	297	18	15	27	27	24	24	18	22	27	22	37	36	.....
Montmorency	28	0	0	3	3	3	5	1	2	5	2	2	2	.....
Muskegon	346	22	7	25	19	37	51	31	31	29	32	39	23	.....
Newaygo	149	8	11	11	16	7	10	11	7	17	13	20	18	.....
Oakland	358	17	27	29	32	23	48	14	24	28	30	56	29	1
Oceana	154	10	9	6	20	14	19	10	8	13	16	16	13	.....
Ogemaw	78	6	8	4	6	6	7	5	8	9	6	4	9	.....
Ontonagon	55	2	3	1	10	3	5	3	9	6	8	3	2	.....
Osceola	167	14	8	12	16	11	14	12	15	12	12	19	22	.....
Oscoda	11	0	0	1	2	0	1	2	0	2	0	1	2	.....
Otsego	52	1	4	5	4	3	6	5	5	5	8	3	3	.....
Ottawa	418	24	20	37	44	28	55	34	42	47	33	29	25	.....
Presque Isle	105	10	5	4	10	10	13	6	10	4	14	6	11	2
Roscommon	14	2	2	1	2	0	1	0	1	2	1	2	0	.....
Saginaw	803	57	48	40	72	53	99	51	59	84	80	89	71	.....
St. Clair	504	39	28	33	51	28	50	28	37	56	44	56	54	.....
St. Joseph	202	10	9	22	15	14	26	10	13	15	24	20	24	.....
Sanilac	266	19	15	18	16	13	29	15	18	35	26	38	24	.....
Schoolcraft	86	6	6	3	7	8	12	9	6	7	7	6	9	.....
Shiawassee	374	22	21	40	37	27	37	22	25	30	25	39	49	.....
Tuscola	296	11	18	29	22	16	33	11	19	37	33	36	30	1
Van Buren	336	11	16	20	30	25	34	35	33	31	33	34	34	.....
Washtenaw	359	10	21	28	32	19	54	15	31	31	43	37	38	.....
Wayne	3,759	234	198	110	332	298	558	265	308	399	430	407	220	.....
Wexford	200	7	18	14	15	15	17	15	8	18	17	23	33	.....

ble II.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

ate and ounties.	Total marriages, 1904.	Sex.	Number of persons married, by periods of age, 1904.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
STATE....	24,918	Totals...	7,414	19,829	11,198	4,498	2,531	1,445	1,062	694	464	354	217	78	35	17	4
		Males...	553	9,799	7,175	2,970	1,617	932	641	419	321	238	149	60	30	14	0
		Females.	6,861	10,030	4,019	1,528	914	513	421	275	143	116	68	18	5	3	4
a.....	31	Totals...	9	28	7	6	4	1	5	1	1	....	....	....	....	..	..
		Males...	.....	14	7	4	1	.....	4	....	1	....	....	....	....	..	..
		Females.	9	14	.....	2	3	1	1	1	....	....	....	....	....	..	..
.....	57	Totals...	16	56	26	9	4	3	....	....	....	....	....	....	....	..	..
		Males...	1	24	19	8	2	3	....	....	....	....	....	....	....	..	..
		Females.	15	32	7	1	2	.....	.....	....	....	....	....	....	....	..	..
an.....	342	Totals...	131	266	131	40	30	13	28	12	8	7	13	3	1	1	..
		Males...	13	150	84	27	18	8	13	9	6	2	7	3	1	1	..
		Females.	118	116	47	13	12	5	15	3	2	5	6	....	....	..	..
a.....	163	Totals...	62	130	68	20	22	6	7	5	3	2	....	....	1	..	..
		Males...	4	68	45	15	16	3	7	2	2	....	....	....	1	..	..
		Females.	58	62	23	5	6	3	.....	3	1	2	....	....	....	..	..
m.....	136	Totals...	53	97	64	21	15	4	5	4	3	4	2	....	....	..	..
		Males...	3	50	42	16	12	3	3	....	2	4	1	....	....	..	..
		Females.	50	47	22	5	3	1	2	4	1	....	1	....	....	..	..
e.....	92	Totals...	38	69	31	14	16	5	4	2	1	4	....	....	....	..	..
		Males...	4	37	20	10	11	2	2	1	1	4	....	....	....	..	..
		Females.	34	32	11	4	5	3	2	1	....	....	....	....	....	..	..
ga.....	48	Totals...	9	33	27	12	4	8	2	1	....	....	....	....	....	..	..
		Males...	.....	15	15	8	4	4	1	1	....	....	....	....	....	..	..
		Females.	9	18	12	4	.....	4	1	....	....	....	....	....	....	..	..
.....	202	Totals...	68	185	70	27	13	6	10	5	7	6	5	1	1	..	..
		Males...	6	94	51	19	10	3	2	2	6	4	4	....	1	..	..
		Females.	62	91	19	8	3	3	8	3	1	2	1	1	....	..	..
.....	582	Totals...	190	489	257	86	56	27	13	23	14	5	....	3	1	..	..
		Males...	11	249	170	62	33	19	7	16	9	3	....	2	1	..	..
		Females.	179	240	87	24	23	8	6	7	5	2	....	1	....	..	..
e.....	101	Totals...	41	73	42	17	11	6	6	2	2	....	2	....	....	..	..
		Males...	2	41	27	11	7	5	4	2	1	....	1	....	....	..	..
		Females.	39	32	15	6	4	1	2	....	1	....	1	....	....	..	..
n.....	1,131	Totals...	328	901	494	230	133	72	47	21	13	9	6	4	....	1	..
		Males...	31	444	307	151	80	48	36	13	9	6	3	2	....	1	..
		Females.	297	457	187	79	56	24	11	8	4	3	3	2	....	..	..
h.....	261	Totals...	96	196	102	33	38	11	14	9	7	9	5	2	....	..	..
		Males...	10	112	61	20	24	7	7	6	5	5	3	1	....	..	..
		Females.	86	84	41	13	14	4	7	3	2	4	2	1	....	..	..
nn.....	564	Totals...	140	447	236	103	77	40	42	17	13	5	4	1	2	1	..
		Males...	13	225	138	64	49	25	20	11	9	4	4	....	2	..	..
		Females.	127	222	98	39	28	15	22	6	4	1	....	1	....	1	..
.....	229	Totals...	85	180	79	37	23	13	12	16	5	4	3	1	....	..	..
		Males...	11	100	52	21	12	3	9	10	5	3	2	1	....	..	..
		Females.	74	80	27	16	11	10	3	6	....	1	1	....	....	..	..
evoix.....	132	Totals...	47	90	61	20	19	10	5	6	3	1	2	....	....	..	..
		Males...	4	45	39	15	14	3	4	4	1	1	2	....	....	..	..
		Females.	43	45	22	5	5	7	1	2	2	....	....	....	....	..	..
ygan.....	149	Totals...	46	120	63	21	15	9	11	5	5	2	1	....	....	..	..
		Males...	3	61	40	15	10	6	6	3	3	1	1	....	....	..	..
		Females.	43	59	23	6	5	3	5	2	2	1	....	....	....	..	..
ewa.....	240	Totals...	71	168	129	51	36	12	3	5	3	2	....	....	....	..	..
		Males...	3	73	85	35	28	7	3	2	2	2	....	....	....	..	..
		Females.	68	95	44	16	8	5	.....	3	1	....	....	....	....	..	..

Table II. Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

County	Total marriages 1904.	Sex.	Number of persons married, by periods of age, 1904.													
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
[illegible]	98	Totals	47	73	30	16	4	7	7	4	4	3	1				
		Males	2	46	22	10	3	4	3	3	3	2					
		Females	45	27	8	6	1	3	4	1	1	1	1				
Allegan	213	Totals	54	180	83	37	19	14	12	5	10	6	3		3		
		Males	4	79	62	28	7	9	7	2	5	5	2		3		
		Females	50	101	21	9	12	5	5	3	5	1	1				
[illegible]	53	Totals	12	23	21	8	4	2				1	1				
		Males		13	14	4	3	1					1				
		Females	12	10	7	4	1	1				1					
[illegible]	237	Totals	82	188	123	57	27	15	12	4	2	2	2				
		Males	3	89	82	38	19	13	7	2	1	1	2				
		Females	79	99	41	19	8	2	5	2	1	1					
[illegible]	195	Totals	65	161	94	34	17	10	5	2	1	1					
		Males	5	80	63	24	10	8	3	1		1					
		Females	60	81	31	10	7	2	2	1	1						
[illegible]	319	Totals	105	245	109	58	30	20	21	19	11	10	5	2	1	2	
		Males	13	138	69	27	15	11	13	10	9	7	3	2		2	
		Females	92	107	40	31	15	9	8	9	2	3	2		1		
[illegible]	172	Totals	57	117	80	27	25	18	6	5	3	3	1	1			
		Males	2	60	52	17	19	10	5	1	2	2	1	1			
		Females	55	57	28	10	7	8	1	4	1	1					
[illegible]	413	Totals	110	335	154	84	30	20	24	21	10	9	5	3			
		Males	8	165	97	53	30	14	13	15	6	6	3	3			
		Females	102	171	57	31	20	6	11	6	4	3	2				
[illegible]	81	Totals	36	65	26	12	8	3	4	4	2	2					
		Males	2	33	24	10	3	1	3	3		2					
		Females	34	32	2	2	5	2	1	1	2						
[illegible]	182	Totals	50	156	87	32	20	11	3	3	2						
		Males	2	71	55	25	15	9	1	2	2						
		Females	48	85	32	7	5	2	2	1							
Grand Traverse	234	Totals	86	206	91	61	20	15	[illegible]	6	5	3	1	3	1		
		Males	4	107	63	40	11	13	3	4	3	2		3	1		
		Females	82	99	28	21	9	2	[illegible]	2	2	1	1				
[illegible]	306	Totals	138	234	112	47	21	15	17	8	[illegible]	7	4	1	2		
		Males	12	137	73	31	13	12	12	5	5	3	2	1	2		
		Females	126	97	39	16	8	3	5	3	3	4	2				
Hillsdale	284	Totals	113	220	108	37	35	17	14	8	[illegible]	1	5	1			1
		Males	13	126	66	27	18	12	8	2	[illegible]	1	4	1			
		Females	100	94	42	10	17	5	[illegible]	[illegible]	2		1				1
Houghton	732	Totals	182	542	382	143	58	29	24	3	[illegible]	[illegible]	2	1	[illegible]		
		Males	8	193	257	95	42	18	8	2	[illegible]	[illegible]	2		1		
		Females	174	349	125	48	16	11		1	1			1			
[illegible]	288	Totals	94	249	132	48	21	8		4	[illegible]	2		[illegible]			
		Males	2	117	101	40	23	4	4	[illegible]	[illegible]	2					
		Females	92	132	31	8	8	4						1			
Ingham	428	Totals	114	342	182	82	42	33	[illegible]	[illegible]	4	3	7		[illegible]		
		Males	10	168	115	52	25	23	[illegible]	[illegible]	[illegible]	2	4				
		Females	104	174	67	30	17	9	13	[illegible]	2	[illegible]	3				
Ionia	375	Totals	113	308	152	78	37	18	28	14	[illegible]	[illegible]	4	3			1
		Males	[illegible]	148	100	45	24	8	14	10	[illegible]	[illegible]	[illegible]	2			
		Females	97	160	52	33	13	[illegible]	14	4	2	3	[illegible]	1			1
Iosco	[illegible]	Totals	[illegible]	71	38	13	11	4	4	[illegible]	5	2					
		Males	[illegible]	[illegible]	25	11	7	3	4		4						
		Females	28	9	14	4	4	1		1	1	1					

ble II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

Counties.	Total marriages, 1904.	Sex.	Number of persons married, by periods of age, 1904.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
.....	80	Totals...	19	62	47	14	10	4	2	1	1	....	....	....	....	..	..
		Males...	.....	32	28	10	6	1	2	....	1	....	....	....	....	..	..
		Females.	19	30	19	4	4	3	.....	1	....	....	....	....	....	..	..
ella.....	232	Totals...	95	169	90	43	23	16	10	7	4	3	3	....	....	..	1
		Males...	8	85	65	30	16	10	5	5	4	3	1	....	....	..	..
		Females.	87	84	25	13	7	6	5	2	....	....	2	....	....	..	1
son.....	514	Totals...	127	407	240	94	61	32	30	20	5	3	5	2	1	..	1
		Males...	12	198	144	60	32	21	23	12	5	2	2	2	1	..	..
		Females.	115	209	96	34	29	11	7	8	..	1	3	....	....	..	1
mazoo.....	576	Totals...	166	473	217	117	66	37	23	17	17	11	3	5	....	..	..
		Males...	20	248	126	71	45	19	16	9	8	7	2	5	....	..	..
		Females.	146	225	91	46	21	18	7	8	9	4	1	....	....	..	..
aska.....	81	Totals...	38	46	25	12	10	5	9	5	5	4	3	....	....	..	..
		Males...	3	30	15	7	9	2	3	3	3	3	3	....	....	..	..
		Females.	35	16	10	5	1	3	6	2	2	1	....	....	....	..	..
t.....	1,498	Totals...	359	1,196	737	304	159	71	72	25	29	21	19	2	....	2	..
		Males...	31	563	460	185	100	54	41	14	24	12	11	1	....	2	..
		Females.	328	633	277	119	59	17	31	11	5	9	8	1	....	..	..
eenaw.....	31	Totals...	13	30	10	9	.....	.....	.....	....	....	....	....	....	....	..	..
		Males...	.....	15	10	6	.....	.....	.....	....	....	....	....	....	....	..	..
		Females.	13	15	.....	3	.....	.....	.....	....	....	....	....	....	....	..	..
e.....	36	Totals...	17	23	16	8	1	.....	4	....	1	2	....	....	....	..	..
		Males...	2	13	13	3	1	.....	2	....	....	2	....	....	....	..	..
		Females.	15	10	3	5	.....	.....	2	....	1	....	....	....	....	..	..
ser.....	249	Totals...	76	197	98	36	26	18	11	13	8	8	4	2	1	..	..
		Males...	3	102	66	23	15	9	6	8	6	5	4	2	....	..	..
		Females.	73	95	32	13	11	9	5	5	2	3	....	....	1	..	..
anau.....	98	Totals...	48	58	44	20	12	7	6	....	1	....	....	....	....	..	..
		Males...	5	25	33	15	9	5	6	....	....	....	....	....	....	..	..
		Females.	43	33	11	5	3	2	.....	....	1	....	....	....	....	..	..
wee.....	442	Totals...	132	348	203	70	37	21	28	8	14	12	4	3	2	2	..
		Males...	12	179	122	49	22	12	16	3	12	5	4	2	2	2	..
		Females.	120	169	81	21	15	9	12	5	2	7	....	1	....	..	..
gston.....	156	Totals...	37	126	65	29	19	11	6	4	8	4	1	....	2	..	..
		Males...	4	56	46	19	10	6	2	3	5	3	1	....	1	..	..
		Females.	33	70	19	10	9	5	4	1	3	1	....	....	1	..	..
.....	32	Totals...	8	27	14	8	5	.....	.....	2	....	....	....	....	....	..	..
		Males...	.....	12	11	6	2	.....	.....	1	....	....	....	....	....	..	..
		Females.	8	15	3	2	3	.....	.....	1	....	....	....	....	....	..	..
inac.....	64	Totals...	33	33	34	12	5	2	4	1	3	1	....	....	....	..	..
		Males...	2	20	25	7	4	1	2	1	1	1	....	....	....	..	..
		Females.	31	13	9	5	1	1	2	....	2	....	....	....	....	..	..
mb.....	248	Totals...	45	205	120	43	27	18	10	7	10	5	5	1	....	..	..
		Males...	1	94	74	28	15	13	6	2	7	3	4	1	....	..	..
		Females.	44	111	46	15	12	5	4	5	3	2	1	....	....	..	..
stee.....	213	Totals...	60	178	90	34	24	18	6	10	5	1	....	....	....	..	..
		Males...	2	83	59	26	18	11	3	6	4	1	....	....	....	..	..
		Females.	58	95	31	8	6	7	3	4	1	....	....	....	....	..	..
uette.....	304	Totals...	71	230	179	68	31	14	6	6	1	2	....	....	....	..	..
		Males...	3	98	106	50	23	13	5	5	....	1	....	....	....	..	..
		Females.	68	132	73	18	8	1	1	1	1	1	....	....	....	..	..
n.....	169	Totals...	41	137	81	25	20	19	5	4	4	1	....	....	1	..	..
		Males...	1	59	57	17	12	12	4	1	4	1	....	....	1	..	..
		Females.	40	78	24	8	8	7	1	3	....	....	....	....	....	..	..

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

Counties.	Total marriages 1904.	Sex.	Number of persons married, by periods of age, 1904.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.
Clare	98	Totals	47	73	30	16	4	7	7	4	4	3	1				
		Males	2	46	22	10	3	4	3	3	3	2					
		Females	45	27	8	6	1	3	4	1	1	1	1				
Clinton	213	Totals	54	180	83	37	19	14	12	5	10	6	3		3		
		Males	4	79	62	28	7	9	7	2	5	5	2		3		
		Females	50	101	21	9	12	5	5	3	5	1	1				
Crawford	36	Totals	12	23	21	8	4	2				1	1				
		Males		13	14	4	3	1					1				
		Females	12	10	7	4	1	1				1					
Delta	257	Totals	82	188	123	57	27	15	12	4	2	2	2				
		Males	3	89	82	38	19	13	7	2	1	1	2				
		Females	79	99	41	19	8	2	5	2	1	1					
Dickinson	195	Totals	65	161	94	34	17	10	5	2	1	1					
		Males	5	80	63	24	10	8	3	1		1					
		Females	60	81	31	10	7	2	2	1	1						
Eaton	319	Totals	105	245	109	58	30	20	21	19	11	10	5	2	1	2	
		Males	13	138	69	27	15	11	13	10	9	7	3	2		2	
		Females	92	107	40	31	15	9	8	9	2	3	2		1		
Emmet	172	Totals	57	117	80	27	25	18	6	5	3	3	1	1			
		Males	2	60	52	17	19	10	5	1	2	2	1	1			
		Females	55	57	28	10	7	8	1	4	1	1					
Genesee	413	Totals	110	333	154	84	50	20	24	21	10	9	5	3			
		Males	8	165	97	53	30	14	13	15	6	6	3	3			
		Females	102	171	57	31	20	6	11	6	4	3	2				
Gladwin	81	Totals	37	65	26	12	8	3	4	4	2	2					
		Males	2	33	24	10	3	1	3	3		2					
		Females	34	32	2	2	5	2	1	1	2						
Gogebic	182	Totals	50	156	87	32	20	11	3	3	2						
		Males	2	71	55	25	15	9	1	2	2						
		Females	48	85	32	7	5	2	2	1							
Grand Traverse	254	Totals	86	206	91	61	20	19	6	6	5	3	1	3	1		
		Males	4	107	63	40	11	13	3	4	3	2		3	1		
		Females	82	99	28	21	9	6	3	2	2	1	1				
Gratiot	306	Totals	138	234	112	47	21	15	17	8	6	7	4	1	2		
		Males	12	137	73	31	13	12	12	5	3	3	2	1	2		
		Females	126	97	39	16	8	3	5	3	3	4	2				
Hillsdale	284	Totals	113	220	108	37	35	17	14	8	8	1	5	1			1
		Males	13	126	66	27	18	12	8	2	6	1	4	1			
		Females	100	94	42	10	17	5	6	6	2		1				1
Houghton	732	Totals	182	642	382	143	58	29	14	3	6	1	2	1	1		
		Males	8	293	257	95	42	18	8	2	5	1	2		1		
		Females	174	349	125	48	16	11	6	1	1			1			
Huron	298	Totals	94	249	152	48	31	8	6	4	1	2		1			
		Males	2	117	101	40	23	4	4	4	1	2					
		Females	92	132	51	8	8	4	2					1			
Ingham	428	Total	114	342	192	82	41	33	26	6	9	3	7		1		
		Males	10	168	116	52	25	25	13	5	7	2	4		1		
		Females	104	174	76	30	16	8	13	1	2	1	3				
Ionia	375	Totals	113	308	152	68	27	18	28	14	4	10	4	3			1
		Males	16	148	100	45	19	9	14	10	2	7	3	2			
		Females	97	160	52	23	8	9	14	4	2	3	1	1			1
Iosco	91	Totals	31	71	39	15	11	4	4	1	5	1					
		Males	2	35	25	11	7	3	4		4						
		Females	29	36	14	4	4	1		1	1	1					

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

Counties.	Total marriages, 1904.	Sex.	Number of persons married, by periods of age, 1904													
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80
Iron	80	Totals	19	62	47	14	10	4	2	1	1					
		Males		32	28	10	6	1	2		1					
		Females	19	30	19	4	4	3		1						
Isabella	232	Totals	95	169	90	43	23	16	10	7	4	2	2			
		Males	8	85	65	30	16	10	5	5	4	2	1			
		Females	87	84	25	13	7	6	5	2			2			
Jackson	514	Totals	127	407	240	94	61	32	30	25	7	2	5	2	1	
		Males	12	198	144	60	32	21	22	12	5	2	2	2	1	
		Females	115	209	96	34	29	11	7	5		1	3			
Kalamazoo	576	Totals	166	473	217	117	66	37	23	17	17	11	3	5		
		Males	20	248	126	71	45	19	16	9	9	7	2	5		
		Females	146	225	91	46	21	18	7	8	8	4	1			
Kalkaska	61	Totals	35	46	25	12	10	5	4	5	5	4	2			
		Males	3	30	15	7	9	2	3	3	3	3	3			
		Females	35	16	10	5	1	3	1	2	2	1				
Kent	1,486	Totals	339	1,196	737	304	179	71	72	25	29	27	39	2		2
		Males	31	562	460	193	100	54	41	14	24	12	11	1		2
		Females	308	634	277	119	79	17	31	11	5	9	8	1		
Keweenaw	37	Totals	13	30	19	9										
		Males		15	10	6										
		Females	13	15		3										
Lake	38	Totals	27	22	14	8	1		6		1	2				
		Males	2	12	12	8	1		2			2				
		Females	25	10	2	5			2		1					
Lapeer	248	Totals	74	197	96	30	2	18	11	12	8	4	6	2	1	
		Males	2	102	49	23	15	9	6	6	6	3	6	2		
		Females	72	95	22	7	17	9	5	6	2	1			1	
Leelanau	96	Totals	46	36	44	21	12	7	5		1					
		Males	5	25	40	15	9	5	5							
		Females	41	11	4	6	3	2			1					
Lenawee	442	Totals	222	340	208	74	37	23	22	8	6	12	6	3	1	1
		Males	12	179	172	69	22	12	14	6	12	9	6	2	1	1
		Females	210	161	36	5	15	9	11	2	2	3		1		
Livingston	251	Totals	27	95	60	30	19	11	7	6	4	6	1		2	
		Males	6	9	40	19	10	5	4	4	3	6	1		1	
		Females	21	71	19	11	9	6	3	2	1	1			1	
Lucce	32	Totals	8	37	16	6	5			7						
		Males		2	1	1	1			1						
		Females	8	35	6	7	4			6						
Macomb	46	Totals	22	22	16	4	3	1	4	1	4					
		Males	1	8	13	1	4		1							
		Females	21	14	3	3	1	1	3		4					
Manistee	240	Totals	45	89	49	26	11	14	11	1	11	3	3			
		Males		16	9	16	3	14	7	1	7	2	3			
		Females	45		37	10	8	0	4	1	4	1				
Marquette	272	Totals	91	77	8	16	14	7	7	10	3					
		Males	1	77	16	16	7		7	7	4					
		Females	90	0	0	7	7	7	7	3						
Mason	85	Totals	1	16	14	14	9	7	7	3		1				
		Males	1	14	14	7	9	14		3						
		Females	14	2	0	7	7		7							
Mecosta	158	Totals		8	7	7	21	7	7	7	4					
		Males		14	7	7	7	7		7	4					
		Females	14	14	14	7	14	7	7	3						

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

County	Total marriages	Sex	Number of persons married, by periods of age, 1904.														
			Under 20 years	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 and over	Unknown
Marquette	567	Totals	12	90	57	55	24	9	7	4	5		2	1	1		
		Males	6	47	42	35	11	4	5	3	4		1		1		
		Females	6	43	15	20	13	5	2	1	1		1	1			
Mecosta	456	Totals	114	272	202	73	19	20	16	9	7	2	1				
		Males	9	149	135	38	20	10	13	4	5	1	1				
		Females	105	202	67	39	13	9	3	5	2	1					
Menominee	234	Totals	54	139	65	11	5	5	5	7	5	1		1			
		Males	4	95	34	5	2	2	2	3	4	1		1			
		Females	50	55	31	6	3	3	3	4	1						
Monroe	97	Totals	67	61	25	10	10	4	4	3	2	2					
		Males	4	47	21	6	7	3	3	2	2	1					
		Females	63	34	4	4	3	3	3	1		1					
Montcalm	457	Totals	140	209	102	61	26	31	22	12	9	5	4		1	1	
		Males	15	106	177	32	25	20	6	11	5	2	3		1	1	
		Females	156	170	65	29	11	12	7	1	4	3	1				
Montmorency	297	Totals	115	221	90	63	16	24	16	17	11	6	7		2	2	
		Males	6	130	45	31	12	13	9	9	7	6	5			2	
		Females	109	91	34	32	4	11	9	8	4		2		2		
Muskegon	25	Totals	12	31	7	7	3	2	2	1							
		Males		12	5	5	2	2	2								
		Females	12	9	2	2	1	1	1	1							
Muskegon	567	Totals	73	292	193	74	36	24	13	14	4	2		3			
		Males	4	115	119	46	26	14	8	11	3	1		3			
		Females	69	177	74	28	10	10	5	3	1	1					
Newaygo	190	Totals	52	116	60	18	11	11	6	7	2	3	3	1			
		Males	1	61	40	12	8	8	4	4	1	2	1	1			
		Females	51	55	20	6	3	3	2	3	1	1	2				
Oakland	556	Totals	90	267	164	71	42	32	12	20	6	16	4				
		Males	19	125	97	49	25	18	7	11	4	9	3				
		Females	80	141	67	22	17	13	5	9	2	1	1				
Oceana	174	Totals	71	101	74	18	11	9	12	5	1	2	1		1		
		Males	9	54	53	14	5	5	7	4	1	1			1		
		Females	62	52	21	4		1	5	1		1	1				
Ogemaw	75	Totals	36	54	33	12	8	3	1		2	1					
		Males	2	32	22	9	4	2	1	4	1	1					
		Females	34	21	11	4	4	1		2	1						
Ontonagon	55	Totals	20	46	22	11	5	2		2							
		Males	3	22	19	10	1	2		1							
		Females	17	24	3	1	4			1							
Osceola	177	Totals	79	118	51	24	12	14	9	8	6	6	3	1	1		
		Males	7	70	37	15	9	10	3	6	1	5	2	1	1		
		Females	72	48	14	11	3	4	6	2	5	1	1				
Oscoda	11	Totals	4	9	4	1			1	1	2						
		Males		6	2	1					2						
		Females	4	3	2				1	1							
Otsego	92	Totals	23	43	17	10	2	3	3	1	2						
		Males	2	25	8	9	2	2	2		2						
		Females	21	18	9	1		1	1	1							
Ottawa	616	Totals	99	345	199	86	47	27	11	5	5	5	4		1	2	
		Males	13	166	120	52	34	16	8	2	4	4	2		1	1	
		Females	86	185	79	34	13	11	3	3	1	1	2			1	
Presque Isle	105	Totals	48	92	47	8	7	5	1		2						
		Males	2	54	34	6	6	1			2						
		Females	46	38	13	2	1	4	1								

Table II.—Concluded.—Persons married in Michigan, by ages, counties and sex, during the year 1904.

Counties.	Total marriages, 1904.	Sex.	Number of persons married, by periods of age, 1904.														
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown
Roscommon	14	Totals	8	15	1	2		1		1							
		Males		11	1	1		1									
		Females	8	4		1				1							
Saginaw	803	Totals	243	657	384	138	54	48	31	17	9	12	8	3	2		
		Males	12	325	249	94	41	28	18	12	6	7	7	2	2		
		Females	231	322	135	44	13	20	13	5	3	5	1	1			
St. Clair	504	Totals	118	396	251	109	42	32	20	20	4	8	5	3			
		Males	5	180	160	71	29	20	12	15	2	5	3	2			
		Females	113	216	91	38	13	12	8	5	2	3	2	1			
St. Joseph	202	Totals	70	162	95	35	14	8	8	4	1	6	1				
		Males	9	77	71	20	6	5	6	2		5	1				
		Females	61	85	24	15	8	3	2	2	1	1					
Sanilac	266	Totals	99	219	121	41	17	3	10	2	6	6	3	2	1	2	
		Males	4	112	87	28	14	3	6		3	3	2	2	1	1	
		Females	95	107	34	13	3		4	2	3	3	1			1	
Schoolcraft	86	Totals	37	68	41	11	7	5	1	2							
		Males		35	29	11	5	3	1	2							
		Females	37	33	12		2	2									
Shiawassee	374	Totals	107	298	167	52	36	29	10	13	12	9	10	4	1		
		Males	8	159	99	28	23	18	7	8	8	5	9	1	1		
		Females	99	139	68	24	13	11	3	5	4	4	1	3			
Tuscola	296	Totals	110	236	115	40	27	15	15	13	9	9		3			
		Males	7	126	82	28	13	8	7	8	8	6		3			
		Females	103	110	33	12	14	7	8	5	1	3					
Van Buren	336	Totals	126	255	126	43	42	24	18	8	9	12	5	4			
		Males	16	129	81	31	27	16	12	4	5	8	3	4			
		Females	110	126	45	12	15	8	6	4	4	4	2				
Washtenaw	359	Totals	69	257	187	93	44	27	13	12	7	4	4	1			
		Males	7	114	103	59	31	19	8	8	4	2	3	1			
		Females	62	143	84	34	13	8	5	4	3	2	1				
Wayne	3,759	Totals	813	3,077	1,932	743	424	207	126	93	42	36	19	3	2	1	
		Males	43	1,418	1,193	480	262	147	84	53	31	27	15	3	2	1	
		Females	770	1,659	739	263	162	60	42	40	11	9	4				
Wexford	200	Totals	92	151	65	41	17	8	11	6	1	4	2	2			
		Males	5	90	44	29	10	6	7	3		4	1	1			
		Females	87	61	21	12	7	2	4	3	1		1	1			

Table IV.—Marriages in Michigan, by age periods, during the year 1904.

Ages of males married, 1904.	Ages of females married, 1904.															Total males.	Per cent of males at each age.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.		
Under 20	465	75	10	2	1	....	....	....	....	....	....	....	....	....	....	553	2.2
20 to 24	4,374	4,866	498	45	9	5	2	....	....	....	....	....	....	....	....	9,799	39.3
25 to 29	1,519	3,565	1,794	241	39	10	2	2	1	....	....	....	....	....	2	7,175	28.8
30 to 34	324	1,044	959	503	102	26	11	1	....	....	....	....	....	....	....	2,970	11.9
35 to 39	129	303	476	338	275	64	23	5	1	2	1	....	....	....	....	1,617	6.5
40 to 44	29	115	185	200	205	132	44	16	2	2	1	....	....	....	1	932	3.7
45 to 49	9	43	58	109	156	109	120	28	8	1	....	....	....	....	....	641	2.6
50 to 54	6	10	25	54	66	88	83	63	14	5	4	....	....	....	1	419	1.7
55 to 59	3	7	6	22	33	44	81	67	40	13	3	1	....	1	....	321	1.3
60 to 64	2	1	6	11	19	26	34	52	39	35	12	1	....	....	....	238	1.0
65 to 69	....	1	2	3	6	7	15	29	23	34	24	5	....	....	....	149	0.6
70 to 74	1	....	....	....	2	2	3	8	12	15	12	3	2	....	....	60	0.2
75 to 79	....	....	....	....	....	....	3	3	3	8	7	5	1	....	....	30	0.1
80 +	....	....	....	....	1	....	....	1	....	1	4	3	2	2	....	14	0.1
Unknown	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total females	6,861	10,030	4,019	1,528	914	513	421	275	143	116	68	18	5	3	4	24,918	....
Per cent	27.5	40.3	16.1	6.1	3.7	2.1	1.7	1.1	0.6	0.5	0.3	0.1	....	....	....	....	100.0

V.—Probate marriages in Michigan, by ages of males and females, married during the year 1904.

Ages of males married by judges of probate, 1904.	Ages of females married by judges of probate, 1904.													Total males.	Per cent of males at each age.
	Ages under 20 years.							Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	45. to 49.		
	13.	14.	15.	16.	17.	18.	19.								
20 years: 16			1					1						1	1.7
20 years: 17			1	3	1	1	3	9						9	15.3
20 years: 18			1			2		3						3	5.1
20 years: 19			3					3						3	5.1
20			6	3	1	3	3	16						16	
24	2	3	11	1	1	3	1	22	2	1				25	42.4
29		1	3	1	1	1	1	8	1	3				12	20.3
34			1				1	2						2	3.4
39										1				1	1.7
44											1			1	1.7
49													1	1	1.7
54												1		1	1.7
tal females	2	4	21	5	3	7	6	48	3	5	1	1	1	59	
t	3.4	6.8	35.6	8.5	5.1	11.9	10.2	81.4	5.1	8.5	1.7	1.7	1.7		100.0

Table IV.—Marriages in Michigan, by age periods, during the year 1904.

Ages of males married, 1904.	Ages of females married, 1904.															Total males.	Per cent of males at each age.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.		
Under 20	465	75	10	2	1	....	....	....	....	....	....	....	....	....	....	553	2.2
20 to 24	4,374	4,866	498	45	9	5	2	....	....	....	....	....	....	....	....	9,799	39.3
25 to 29	1,519	3,565	1,794	241	39	10	2	2	1	....	....	....	....	....	2	7,175	28.8
30 to 34	324	1,044	959	503	102	26	11	1	....	....	....	....	....	....	....	2,970	11.9
35 to 39	129	303	476	338	275	64	23	5	1	2	1	....	....	....	....	1,617	6.5
40 to 44	29	115	185	200	205	132	44	16	2	2	1	....	....	....	1	932	3.7
45 to 49	9	43	58	109	156	109	120	28	8	1	....	....	....	....	....	641	2.6
50 to 54	6	10	25	54	66	88	83	63	14	5	4	....	....	....	1	419	1.7
55 to 59	3	7	6	22	33	44	81	67	40	13	3	1	....	1	....	321	1.3
60 to 64	2	1	6	11	19	26	34	52	39	35	12	1	....	....	....	238	1.0
65 to 69	....	1	2	3	6	7	15	29	23	34	24	5	....	....	....	149	0.6
70 to 74	1	....	....	....	2	2	3	8	12	15	12	3	2	....	....	60	0.2
75 to 79	....	....	....	....	....	....	3	3	3	8	7	5	1	....	....	30	0.1
80 +	....	....	....	....	1	....	....	1	....	1	4	3	2	2	....	14	0.1
Unknown	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total females	6,861	10,030	4,019	1,528	914	513	421	275	143	116	68	18	5	3	4	24,918	....
Per cent	27.5	40.3	16.1	6.1	3.7	2.1	1.7	1.1	0.6	0.5	0.3	0.1	....	....	....	....	100.0

TABLES

RELATING TO

DIVORCES

AND

CAUSES OF DIVORCE

IN

MICHIGAN

DURING THE

YEAR 1904

PRIMARY TABLES RELATING TO DIVORCES AND CAUSES OF DIVORCE IN MICHIGAN DURING THE YEAR 1904.

TABLE I.—Divorce business in Michigan, by counties, during the year 1904, showing, according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

TABLE II.—Divorces in Michigan, by counties and sex of complainant, during the year 1904, showing place of marriage, number of children in family, and duration of marriage before divorce.

TABLE III.—Causes of divorce in Michigan, by sex of complainant, during the year 1904, showing place of marriage, number of children in family, and duration of marriage before divorce.

NOTE.—*Secondary tables*, containing divorce rates, etc., will be found on preceding pages of this Report, together with the descriptive text.

Table I.—Divorce business in Michigan, by counties, during the year 1904, showing, according to the "Summaries"* filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

State and counties.	Number of bills pending on January 1, 1904.	Number of bills filed during 1904.	Number of divorces granted 1904.	Number of divorces refused, 1904.	Number of cases withdrawn, etc., 1904.	Number of bills pending on December 31, 1904.	Total number of cases 1904.	Number of cases contested, 1904.
STATE	6,340	4,146	2,808	33	336	7,309	10,486	277
Alcona	.....	2	2	.....	.....	.....	2	.....
Alger	25	6	.....	.....	7	24	31	.....
Allegan	112	55	53	.....	1	113	167	11
Alpena	45	28	12	.....	3	58	73	11
Antrim	12	32	9	.....	1	34	44	2
Arenac	3	10	10	.....	.....	3	13	.....
Baraga	4	5	4	.....	.....	5	9	2
Barry	41	55	38	1	1	56	96	4
Bay	34	65	32	1	2	64	99	25
Benzie	20	19	12	1	3	23	39	0
Berrien	177	100	82	.....	4	191	277	13
Branch	95	44	44	.....	7	88	139	2
Calhoun	234	118	89	.....	3	260	352	15
Cass	35	49	40	.....	3	41	84	.....
Charlevoix	44	8	5	.....	.....	47	52	2
Cheboygan	39	27	15	.....	.....	51	66	.....
Chippewa	68	30	16	3	2	77	98	5
Clare	6	9	4	.....	1	10	15	0
Clinton	111	41	23	2	7	120	152	8
Crawford	5	6	4	.....	.....	7	11	0
Delta	50	26	19	1	.....	56	76	4
Dickinson	16	14	11	.....	2	17	30	2
Eaton	59	77	60	.....	5	71	136	9
Emmet	59	38	22	1	16	58	97	.....
Genesee	249	97	55	.....	3	288	346	.....
Gladwin	12	9	3	1	.....	17	21	1
Gogebic	51	6	5	.....	2	50	57	.....
Grand Traverse	32	48	42	.....	.....	38	80	5
Gratiot	116	59	41	3	5	126	175	2
Hillsdale	50	75	48	.....	2	75	125	5
Houghton	75	28	21	.....	13	69	103	9
Huron	13	30	15	1	.....	27	43	0
Ingham	192	95	41	.....	.....	246	287	.....
Ionia	168	64	61	.....	.....	171	232	.....
Iosco	15	10	6	.....	3	16	25	.....
Iron	11	5	4	.....	.....	12	16	0
Isabella	38	29	18	.....	2	47	67	0
Jackson	43	106	76	1	4	68	149	4
Kalamazoo	55	135	96	.....	3	91	190	16
Kalkaska	36	13	15	.....	.....	34	49	.....
Kent.. Superior court	35	12	5	.....	1	41	47	0
Kent.. Circuit court	666	372	242	6	10	780	1,038	27
Keweenaw	1	4	.....	.....	.....	5	5	0
Lake	.....	7	4	1	.....	2	7	1
Lapeer	74	29	21	.....	.....	82	103	6
Leelanau	.....	7	2	.....	.....	5	7	1
Lenawee	166	77	49	.....	6	188	243	4
Livingston	18	38	30	.....	1	25	56	2
Luce	0	0	0	.....	.....	.....	.....	0
Mackinac	11	5	2	.....	.....	14	16	0
Macomb	104	46	36	.....	7	107	150	21
Manistee	40	13	11	.....	.....	42	53	2
Marquette	37	15	12	.....	.....	40	52	0
Mason	14	17	14	.....	1	16	31	3
Mecosta	46	29	23	.....	.....	52	75	.....

CAUSES OF
S 1904.

e year 1904, showing,
bills for divorce pend-
he year, number with-
ber of divorces granted

plainant, during the year
and duration of marriage

plainant, during the year
and duration of marriage

Table II.—Divorces in Michigan, by counties and sex of complainant, during the year before

State and counties.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
STATE	Totals	2,768	2,213	128	177	178	33	39	1,344	647	352	183	85	58	38	10	6	2
	Males	769	574	41	68	58	11	17	433	151	77	46	19	11	11	1	2	2
	Females	1,999	1,639	87	109	120	22	22	911	496	275	137	66	47	27	9	4	0
Alcona	Totals	2	1	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....
	Males	2	1	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Alger	Totals	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Allegan	Totals	52	44	2	5	....	....	1	27	12	7	1	4	1	....	....	....	....
	Males	13	9	1	3	....	....	....	8	2	2	1	....	....	....	....	....	....
	Females	39	35	1	2	....	....	1	19	10	5	....	4	1	....	....	....	....
Alpena	Totals	10	8	....	....	1	1	....	7	....	2	....	1	....	....	....	....	....
	Males	3	3	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....
	Females	7	5	....	....	1	1	....	4	....	2	....	1	....	....	....	....	....
Antrim	Totals	9	8	....	1	....	....	....	3	2	....	1	....	....	1	....	....	....
	Males	3	3	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....
	Females	6	5	....	1	....	....	....	....	2	....	1	....	....	1	....	....	....
Arenac	Totals	10	7	....	1	1	....	1	4	....	2	2		1	....	....	....	....
	Males	4	2	....	1	1	....	....	2	....	....	1	....	....	....	....	....	....
	Females	6	5	....	....	....	....	1	2		2	1		1	....	....	....	....
Baraga	Totals	4	4	....	....	....	....	....	2	2	....	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	3	3	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....
Barry	Totals	41	37	1	2	1	....	....	21	7	6	4	....	1	2	....	....	....
	Males	14	13	....	....	1	....	....	9	4	1	....	....	....	....	....	....	....
	Females	27	24	1	2	....	....	....	12	3	5	4	....	1	2	....	....	....
Bay	Totals	31	27	2	....	1	....	1	14	8	2	3	4	....	....	....	....	....
	Males	11	11	....	....	....	....	....	6	2	....	1	2	....	....	....	....	....
	Females	20	16	2	....	1	....	1	8	6	2	2	2	....	....	....	....	....
Benzie	Totals	12	11	....	1	....	....	....	5	2	3	....	1	....	1	....	....	....
	Males	3	2	....	1	....	....	....	2	1	....	....	....	....	....	....	....	....
	Females	9	9	....	....	....	....	....	3	1	3	....	1	....	1	....	....	....
Berrien	Totals	78	60	7	9	1	....	1	45	19	7	1	3	2	1	....	....	....
	Males	22	13	2	6	1	....	....	12	5	3	1	....	1	....	....	....	....
	Females	56	47	5	3	....	....	1	33	14	4	....	3	1	1	....	....	....
Branch	Totals	44	37	5	2	....	....	....	25	8	5	5	....	....	....	1	....	....
	Males	10	8	2	....	....	....	....	7	....	1	2	....	....	....	....	....	....
	Females	34	29	3	2	....	....	....	18	8	4	3	....	....	....	1	....	....
Calhoun	Totals	89	73	5	7	4	....	....	51	15	8	8	2	3	....	1	....	....
	Males	16	11	2	1	2	....	....	10	....	1	3	2	....	....	....	....	....
	Females	73	62	3	6	2	....	....	41	15	7	5	....	3	....	1	....	....
Cass	Totals	40	33	5	2	....	....	....	13	10	8	4	2	1	....	1	1	....
	Males	10	8	1	1	....	....	....	3	3	2	....	1	1	....	....	....	....
	Females	30	25	4	1	....	....	....	10	7	6	4	1	....	....	1	1	....
Charlevoix	Totals	5	4	....	....	....	....	1	2	1	2	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	4	3	....	....	....	....	1	1	1	2	....	....	....	....	....	....	....
Cheboygan	Totals	15	15	....	....	....	....	....	1	2	3	....	....	....	....	....	....	....
	Males	6	6	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	9	9	....	....	....	....	....	1	2	2	....	....	....	....	....	....	....

Table I.—Concluded.—Divorce business in Michigan, by counties during the year 1904, showing, according to the "Summaries"* filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

Counties.	Number of bills pending on January 1, 1904.	Number of bills filed during 1904.	Number of divorces granted 1904.	Number of divorces refused, 1904.	Number of cases withdrawn, etc., 1904.	Number of bills pending on December 31, 1904.	Total number of cases 1904.	Number of cases contested, 1904.
Menominee	14	12	15	1	.....	10	26	4
Midland	9	8	6	.....	1	10	17	0
Missaukee	15	24	16	.....	2	21	39	0
Monroe	34	32	22	2	7	35	66	.....
Montcalm	98	55	45	1	6	101	153	9
Montmorency	5	5	2	.....	.....	8	10	0
Muskegon	114	67	43	1	37	100	181	2
Newaygo	4	23	16	2	.....	9	27	5
Oakland	75	87	53	.....	2	107	162	.....
Oceana	44	26	19	.....	1	50	70	1
Ogemaw	12	18	10	.....	.....	20	30	0
Ontonagon	1	1	1	.....	.....	1	2	0
Osceola	26	27	21	.....	1	31	53	2
Oscoda	1	1	1	.....	1	.....	2	.....
Otsego	5	4	4	.....	.....	5	9	0
Ottawa	60	21	17	1	4	59	81	3
Presque Isle	24	8	7	.....	1	24	32	.....
Roscommon	4	4	5	.....	1	2	8	.....
Saginaw	313	177	108	.....	.....	382	490	4
St. Clair	323	97	54	.....	.....	366	420	.....
St. Joseph	20	40	26	.....	7	27	60	5
Sanilac	46	26	15	.....	12	45	72	.....
Schoolcraft	11	7	5	.....	.....	13	18	.....
Shiawassee	146	97	68	.....	14	161	243	4
Tuscola	43	48	42	.....	3	46	91	0
Van Buren	128	61	55	.....	3	131	189	12
Washtenaw	108	62	39	.....	1	130	170	12
Wayne	921	725	454	2	83	1,107	1,646	.....
Wexford	74	39	35	.....	18	60	113	.....

*The total number of divorces granted during the year 1904, according to the "Summaries" returned by the county clerks, was 2,808, or 40 more than the number compiled from the schedules also returned by the county clerks and presented in tables II and III. Some of these additional divorces may be those granted and not recorded on account of non-payment of fees, but the discrepancy is also due in part to carelessness of county clerks in filling out their returns.

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, duration of marriage

Counties.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Chippewa	Totals	13	6	2	1	4	....	....	8	2	1	....	1	1	....	....	....	....
	Males	4	1	....	1	2	....	....	3	....	1	....	....	....	....	....	....	....
	Females	9	5	2	....	2	....	....	5	2	....	....	1	1	....	....	....	....
Clare	Totals	4	4	....	....	....	....	....	3	1	....	....	....	....	....	....	....	....
	Males	2	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....
	Females	2	2	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
Clinton	Totals	23	23	....	....	....	....	....	12	7	1	2	....	....	1	....	....	....
	Males	6	6	....	....	....	....	....	3	1	1	....	....	....	1	....	....	....
	Females	17	17	....	....	....	....	....	9	6	....	2	....	....	....	....	....	....
Crawford	Totals	4	3	....	....	....	....	1	1	1	1	1	....	....	....	....	....	....
	Males	3	2	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Delta	Totals	21	8	4	3	4	2	....	5	6	3	5	....	....	....	....	....	....
	Males	3	....	1	....	1	1	....	1	....	....	1	....	....	....	....	....	....
	Females	18	8	3	3	3	1	....	4	6	3	4	....	....	....	....	....	....
Dickinson	Totals	11	5	2	....	....	2	2	6	1	1	2	....	....	....	....	1	....
	Males	2	....	1	....	....	....	1	2	....	....	....	....	....	....	....	....	....
	Females	9	5	1	....	....	2	1	4	1	1	2	....	....	....	....	1	....
Eaton	Totals	60	55	4	1	....	....	....	34	15	5	3	1	2	....	....	....	....
	Males	10	9	1	....	....	....	....	7	2	1	....	....	....	....	....	....	....
	Females	50	46	3	1	....	....	....	27	13	4	3	1	2	....	....	....	....
Emmet	Totals	22	18	....	1	1	....	2	14	6	2	....	....	....	....	....	....	....
	Males	9	6	....	1	1	....	1	7	1	1	....	....	....	....	....	....	....
	Females	13	12	....	....	....	....	1	7	5	1	....	....	....	....	....	....	....
Genesee	Totals	55	50	....	2	3	....	....	21	15	6	7	1	3	2	....	....	....
	Males	16	14	....	1	1	....	....	7	4	2	2	....	1	....	....	....	....
	Females	39	36	....	1	2	....	....	14	11	4	5	1	2	2	....	....	....
Gladwin	Totals	3	3	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	3	3	....	....	....	....	....	1	1	1	....	....	....	....	....	....	....
Gogebic	Totals	5	3	1	....	....	1	....	3	1	....	....	....	....	1	....	....	....
	Males	3	1	1	....	....	1	....	2	....	....	....	....	....	1	....	....	....
	Females	2	2	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
Grand Traverse	Totals	42	37	1	3	1	....	....	....	9	12	2	....	1	....	....	....	....
	Males	9	7	....	1	1	....	....	....	1	1	1	....	....	....	....	....	....
	Females	33	30	1	2	....	....	....	....	8	11	1	....	1	....	....	....	....
Gratiot	Totals	41	36	4	1	....	....	....	16	14	4	3	1	3	....	....	....	....
	Males	6	5	....	1	....	....	....	1	4	....	1	....	....	....	....	....	....
	Females	35	31	4	....	....	....	....	15	10	4	2	1	3	....	....	....	....
Hillsdale	Totals	47	37	2	5	....	....	3	20	10	6	6	2	1	2	....	....	....
	Males	13	10	1	2	....	....	....	8	2	1	1	....	1	....	....	....	....
	Females	34	27	1	3	....	....	3	12	8	5	5	2	....	2	....	....	....
Houghton	Totals	20	14	1	2	....	2	1	5	4	7	2	....	....	1	....	....	....
	Males	7	6	....	....	....	1	....	4	2	1	....	....	....	....	....	....	....
	Females	13	8	1	2	....	1	1	1	2	6	2	....	....	1	....	....	....
Huron	Totals	15	12	....	....	2	....	1	8	1	3	1	2	....	....	....	....	....
	Males	5	4	....	....	....	....	1	3	....	1	....	1	....	....	....	....	....
	Females	10	8	....	....	2	....	....	5	1	2	1	1	....	....	....	....	....
Ingham	Totals	41	36	....	....	3	....	2	21	10	6	2	2	....	....	....	....	....
	Males	14	11	....	....	1	....	2	7	4	3	....	....	....	....	....	....	....
	Females	27	25	....	....	2	....	....	14	6	3	2	2	....	....	....	....	....

ing the year 1904, showing place of marriage, number of children in family, and dura- before divorce.

in family.				Duration of marriage before divorce.																	
10	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	....	2	2	1	....	5	4	1	1	2	....	....	....	....	....	....	....	....
....	....	....	....	....	1	....	....	....	1	1	1	....	1	....	....	....	....	....	....	....	....
....	....	....	....	....	1	2	1	....	4	3	....	1	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	1	1	3	1	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	1	1	2	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	1	....	....	....	3	4	6	3	2	3	1	3	1	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	3	....	2	1	....	....	....	....	....	....	....	....
....	....	....	....	1	....	....	....	3	4	3	3	....	2	1	3	1	....	....	....	....	....
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....	....	....	....	4	2	3	5	2	16	14	10	1	4	7	1	1	1	....	....	....	....
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....	....	....	12	1	1	1	1	2	6	12	4	6	4	....	....	1	....	....	....	....	....
....	....	....	....	....	3	1	3	1	8	10	10	4	4	2	1	1	....	....	....	....	1
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....	....	....	....	2	1	3	3	3	12	15	3	6	4	1	....	....	....	....	....	....	....
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....	....	....	....	....	1	3	3	3	10	8	1	4	3	1	....	....	....	....	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, duration of marriage

Counties.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Ionia	Totals	61	54	3	3	1	....	....	32	13	8	3	2	1	1	1	....	....
	Males	20	15	2	2	1	....	....	12	2	1	2	1	1	....	1	....	....
	Females	41	39	1	1	....	....	....	20	11	7	1	1	....	1	....	....	....
Iosco	Totals	6	5	1	....	....	....	....	2	3	....	....	....	1	....	....	....	....
	Males	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	5	5	....	....	....	....	....	1	3	....	....	....	1	....	....	....	....
Iron	Totals	4	3	....	....	....	1	....	2	1	1	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	3	2	....	....	....	1	....	2	1	....	....	....	....	....	....	....	....
Isabella	Totals	18	16	....	1	1	....	....	5	7	3	....	1	1	1	....	....	....
	Males	3	3	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....
	Females	15	13	....	1	1	....	....	4	6	3	....	1	1	....	....	....	....
Jackson	Totals	76	64	4	7	1	....	....	44	12	9	6	2	3	....	....	....	....
	Males	22	19	....	3	....	....	....	17	3	1	1	....	....	....	....	....	....
	Females	54	45	4	4	1	....	....	27	9	8	5	2	3	....	....	....	....
Kalamazoo	Totals	96	81	4	7	2	2	....	47	23	12	7	2	2	2	....	....	....
	Males	32	27	1	3	....	1	....	17	8	1	3	1	....	1	....	....	....
	Females	64	54	3	4	2	1	....	30	15	11	4	1	2	1	....	....	....
Kalkaska	Totals	13	12	1	....	....	....	....	7	2	3	1	....	....	....	....	....	....
	Males	2	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....
	Females	11	11	....	....	....	....	....	6	2	3	....	....	....	....	....	....	....
Kent	Totals	243	210	12	17	3	1	....	138	56	26	14	4	2	2	1	....	....
	Males	67	60	3	4	....	....	....	46	11	6	2	....	2	....	....	....	....
	Females	176	150	9	13	3	1	....	92	45	20	12	4	....	2	1	....	....
Keweenaw	Totals	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lake	Totals	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Lapeer	Totals	21	18	....	1	2	....	....	11	4	3	1	2	....	....	....	....	....
	Males	6	5	....	....	1	....	....	3	1	....	1	1	....	....	....	....	....
	Females	15	13	....	1	1	....	....	8	3	3	....	1	....	....	....	....	....
Leelanau	Totals	2	2	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....
	Males	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....
Lenawee	Totals	49	38	6	....	....	....	5	28	10	5	4	1	....	1	....	....	....
	Males	19	13	3	....	....	....	3	10	5	2	1	....	....	1	....	....	....
	Females	30	25	3	....	....	....	2	18	5	3	3	1	....	....	....	....	....
Livingston	Totals	30	28	....	1	1	....	....	15	7	4	2	....	1	1	....	....	....
	Males	9	9	....	....	....	....	....	5	2	1	....	....	....	1	....	....	....
	Females	21	19	....	1	1	....	....	10	5	3	2	....	1	....	....	....	....
Luce	Totals	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mackinac	Totals	2	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Macomb	Totals	36	30	2	2	2	....	....	13	13	4	3	1	2	....	....	....	....
	Males	9	7	....	1	1	....	....	2	5	....	....	1	1	....	....	....	....
	Females	27	23	2	1	1	....	....	11	8	4	3	....	1	....	....	....	....

ing the year 1904, showing place of marriage, number of children in family, and dura- before divorce.

in family				Duration of marriage before divorce.																	
10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	3	5	4	5	3	20	18	6	5	5	4	2	1	....	....	....	....	....
....	....	....	....	1	2	2	....	1	6	9	....	....	1	3	1	....	....	....	....	....	....
....	....	....	....	2	3	2	5	2	14	9	6	5	4	1	1	1	....	....	....	....	....
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....	....	....	....	4	1	5	6	5	21	24	17	3	2	5	1	2	....	1	....	....	....
....	....	....	....	2	....	1	4	1	8	7	5	....	....	1	....	....	....	1	....	....	....
....	....	....	....	2	1	4	2	4	13	17	12	3	2	4	1	2	....	....	....	....	....
....	....	....	1	3	8	4	9	7	31	30	13	12	7	2	....	1	....	....	....	....	....
....	....	....	1	2	2	1	4	3	12	8	4	4	3	1	....	....	....	....	....	....	....
....	....	....	....	1	6	3	5	4	19	22	9	8	4	1	....	1	....	....	....	....	....
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....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....
....	....	....	....	1	....	3	....	....	4	3	2	....	1	1	....	....	....	....	....	....	....
....	....	....	....	8	12	26	18	15	79	60	42	30	17	6	6	2	1	....	....	....	....
....	....	....	....	1	6	7	6	4	24	18	9	8	3	3	1	1	....	....	....	....	....
....	....	....	....	7	6	19	12	11	55	42	33	22	14	3	5	1	1	....	....	....	....
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....	....	....	....	....	2	1	2	5	10	4	5	2	4	2	....	....	....	....	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, duration of marriage

Counties.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Ionia	Totals	61	54	3	3	1	....	....	32	13	8	3	2	1	1	1	....	....
	Males	20	15	2	2	1	....	....	12	2	1	2	1	1	....	1	....	....
	Females	41	39	1	1	....	....	....	20	11	7	1	1	....	1	....	....	....
Iosco	Totals	6	5	1	....	....	....	....	2	3	....	....	....	1	....	....	....	....
	Males	1	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	5	5	....	....	....	....	....	1	3	....	....	....	1	....	....	....	....
Iron	Totals	4	3	....	....	....	1	....	2	1	1	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	3	2	....	....	....	1	....	2	1	....	....	....	....	....	....	....	....
Isabella	Totals	18	16	....	1	1	....	....	5	7	3	....	1	1	1	....	....	....
	Males	3	3	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....
	Females	15	13	....	1	1	....	....	4	6	3	....	1	1	....	....	....	....
Jackson	Totals	76	64	4	7	1	....	....	44	12	9	6	2	3	....	....	....	....
	Males	22	19	....	3	....	....	....	17	3	1	1	....	....	....	....	....	....
	Females	54	45	4	4	1	....	....	27	9	8	5	2	3	....	....	....	....
Kalamazoo	Totals	96	81	4	7	2	2	....	47	23	12	7	2	2	2	....	....	....
	Males	32	27	1	3	....	1	....	17	8	1	3	1	....	1	....	....	....
	Females	64	54	3	4	2	1	....	30	15	11	4	1	2	1	....	....	....
Kalkaska	Totals	13	12	1	....	....	....	....	7	2	3	1	....	....	....	....	....	....
	Males	2	1	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....
	Females	11	11	....	....	....	....	....	6	2	3	....	....	....	....	....	....	....
Kent	Totals	243	210	12	17	3	1	....	138	56	26	14	4	2	2	1	....	....
	Males	67	60	3	4	....	....	....	46	11	6	2	....	2	....	....	....	....
	Females	176	150	9	13	3	1	....	92	45	20	12	4	....	2	1	....	....
Keweenaw	Totals	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lake	Totals	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Lapeer	Totals	21	18	....	1	2	....	....	11	4	3	1	2	....	....	....	....	....
	Males	6	5	....	....	1	....	....	3	1	....	1	1	....	....	....	....	....
	Females	15	13	....	1	1	....	....	8	3	3	....	1	....	....	....	....	....
Leelanau	Totals	2	2	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....
	Males	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....
Lenawee	Totals	49	38	6	....	....	....	5	28	10	5	4	1	....	1	....	....	....
	Males	19	13	3	....	....	....	3	10	5	2	1	....	....	1	....	....	....
	Females	30	25	3	....	....	....	2	18	5	3	3	1	....	....	....	....	....
Livingston	Totals	30	28	....	1	1	....	....	15	7	4	2	....	1	1	....	....	....
	Males	9	9	....	....	....	....	....	5	2	1	....	....	....	1	....	....	....
	Females	21	19	....	1	1	....	....	10	5	3	2	....	1	....	....	....	....
Luce	Totals	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mackinac	Totals	2	2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Macomb	Totals	36	30	2	2	2	....	....	13	13	4	3	1	2	....	....	....	....
	Males	9	7	....	1	1	....	....	2	5	....	....	1	1	....	....	....	....
	Females	27	23	2	1	1	....	....	11	8	4	3	....	1	....	....	....	....

ing the year 1904, showing place of marriage, number of children in family, and dura- before divorce.

in family				Duration of marriage before divorce.																	
10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
....	....	....	....	3	5	4	5	3	20	18	6	5	5	4	2	1	....	....	....	....	....
....	....	....	....	1	2	2	....	1	6	9	....	....	1	3	1	....	....	....	....	....	....
....	....	....	....	2	3	2	5	2	14	9	6	5	4	1	1	1	....	....	....	....	....
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....	....	....	....	4	1	5	6	5	21	24	17	3	2	5	1	2	....	1	....	....	....
....	....	....	....	2	....	1	4	1	8	7	5	....	....	1	....	....	....	1	....	....	....
....	....	....	....	2	1	4	2	4	13	17	12	3	2	4	1	2	....	....	....	....	....
....	....	....	1	3	8	4	9	7	31	30	13	12	7	2	....	1	....	....	....	....	....
....	....	....	1	2	2	1	4	3	12	8	4	4	3	1	....	....	....	....	....	....	....
....	....	....	....	1	6	3	5	4	19	22	9	8	4	1	....	1	....	....	....	....	....
....	....	....	....	1	....	3	....	1	5	3	3	....	1	1	....	....	....	....	....	....	....
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....	....	....	....	1	....	3	....	....	4	3	2	....	1	1	....	....	....	....	....	....	....
....	....	....	....	8	12	26	18	15	79	60	42	30	17	6	6	2	1	....	....	....	....
....	....	....	....	1	6	7	6	4	24	18	9	8	3	3	1	1	....	....	....	....	....
....	....	....	....	7	6	19	12	11	55	42	33	22	14	3	5	1	1	....	....	....	....
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....	....	....	....	....	1	1	....	....	2	4	3	1	2	1	....	....	2	....	....	....	....
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....	....	....	....	1	4	4	8	1	18	13	3	4	4	3	3	1	....	....	....	....	....
....	....	....	....	....	2	1	4	....	7	4	1	2	3	1	1	....	....	....	....	....	....
....	....	....	....	1	2	3	2	1	11	9	2	2	1	2	2	1	....	....	....	....	....
....	....	....	....	1	3	....	....	3	7	10	6	2	4	1	....	....	....	....	....	....	....
....	....	....	....	1	1	....	....	1	3	4	1	....	....	1	....	....	....	....	....	....	....
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....	....	....	....	....	2	1	3	5	11	6	5	3	6	5	....	....	....	....	....	....	....
....	....	....	....	....	....	....	1	....	1	2	....	1	2	3	....	....	....	....	....	....	....
....	....	....	....	....	2	1	2	5	10	4	5	2	4	2	....	....	....	....	....	....	....

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, duration of marriage

Counties	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Manistee	Totals	11	11	....	....	....	....	....	6	4	1	....	....	....	....	....	....	....
	Males	5	5	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....
	Females	6	6	....	....	....	....	....	1	4	1	....	....	....	....	....	....	....
Marquette	Totals	13	7	....	1	....	5	....	7	2	2	1	1	....	....	....	....	....
	Males	3	2	....	1	....	....	....	3	....	....	....	....	....	....	....	....	....
	Females	10	5	....	....	....	5	....	4	2	2	1	1	....	....	....	....	....
Mason	Totals	14	12	....	....	2	....	....	6	3	3	1	....	....	....	1	....	....
	Males	4	4	....	....	....	....	....	3	....	1	....	....	....	....	....	....	....
	Females	10	8	....	....	2	....	....	3	3	2	1	....	....	....	1	....	....
Mecosta	Totals	23	20	1	....	....	....	2	9	6	5	2	1	....	....	....	....	....
	Males	6	4	....	....	....	....	2	3	2	1	....	....	....	....	....	....	....
	Females	17	16	1	....	....	....	....	6	4	4	2	1	....	....	....	....	....
Menominee	Totals	15	8	6	....	....	1	....	7	1	2	2	1	1	....	....	....	....
	Males	5	1	4	....	....	....	....	3	....	1	....	....	....	....	....	....	....
	Females	10	7	2	....	....	1	....	4	1	1	2	1	1	....	....	....	....
Midland	Totals	6	6	....	....	....	....	....	1	1	....	2	1	1	....	....	....	....
	Males	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
	Females	5	5	....	....	....	....	....	1	1	....	1	1	1	....	....	....	....
Missaukee	Totals	16	12	1	2	1	....	....	10	1	2	....	1	....	....	....	2	....
	Males	8	6	1	1	....	....	....	5	1	1	....	....	....	....	....	1	....
	Females	8	6	....	1	1	....	....	5	....	1	....	1	....	....	....	1	....
Monroe	Totals	22	17	3	1	....	1	....	13	2	3	2	....	....	....	....	....	....
	Males	5	3	2	....	....	....	....	4	1	....	....	....	....	....	....	....	....
	Females	17	14	1	1	....	1	....	9	1	3	2	....	....	....	....	....	....
Montcalm	Totals	45	37	1	3	....	....	4	18	16	4	4	1	....	1	....	1	....
	Males	14	9	1	2	....	....	2	4	5	1	2	....	....	1	....	1	....
	Females	31	28	....	1	....	....	2	14	11	3	2	1	....	....	....	....	....
Montmorency	Totals	2	1	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....
	Males	2	1	....	....	1	....	....	1	....	....	....	1	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Muskegon	Totals	41	33	3	4	....	....	1	17	9	8	5	1	....	....	....	....	....
	Males	10	7	1	2	....	....	....	7	1	....	2	....	....	....	....	....	....
	Females	31	26	2	2	....	....	1	10	8	8	3	1	....	....	....	....	....
Newaygo	Totals	16	15	....	1	....	....	....	5	4	4	2	1	....	....	....	....	....
	Males	7	7	....	....	....	....	....	2	2	2	....	1	....	....	....	....	....
	Females	9	8	....	1	....	....	....	3	2	2	2	....	....	....	....	....	....
Oakland	Totals	52	39	1	3	8	1	....	20	13	8	6	1	2	2	....	....	....
	Males	10	6	....	1	3	....	....	6	2	....	1	1	....	....	....	....	....
	Females	42	33	1	2	5	1	....	14	11	8	5	....	2	2	....	....	....
Oceana	Totals	19	19	....	....	....	....	....	10	6	1	1	....	....	1	....	....	....
	Males	8	8	....	....	....	....	....	4	2	1	1	....	....	....	....	....	....
	Females	11	11	....	....	....	....	....	6	4	....	....	....	....	1	....	....	....
Ogemaw	Totals	10	9	....	1	....	....	....	5	2	....	2	1	....	....	....	....	....
	Males	4	4	....	....	....	....	....	2	....	....	2	....	....	....	....	....	....
	Females	6	5	....	1	....	....	....	3	2	....	....	1	....	....	....	....	....
Ontonagon	Totals	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Osceola	Totals	21	19	1	....	1	....	....	10	....	5	2	2	1	1	....	....	....
	Males	5	4	....	....	1	....	....	3	....	....	1	....	....	1	....	....	....
	Females	16	15	1	....	....	....	....	7	....	5	1	2	1	....	....	....	....

year 1904, showing place of marriage, number of children in family, and dura-
divorce.

							Duration of marriage before divorce.												
12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown
			1	1			2	7	1	1									
				1			1	3	1										
			1				1	4		1									
			1	1		2	4	3	1	4	1								
			1			1	2	1											
				1		1	2	2	1	4	1								
			3	1	2		6	3	2	1	1				1				
					2		2	1		1									
			3	1			4	2	2		1				1				
			2	1	2	2	7	5	4	2	3	1							1
					2		2	1			1	1							1
			2	1		2	5	4	4	2	2								
			1	2			3	2	5	3	1				1				
			1	1			2		2						1				
				1			1	2	3	3	1								
				1			1	2	2			1							
									1										
				1			1	2	1			1							
			3	2	2	1	8	2	2	1	3								
			1	2	2		5		2	1									
			2			1	3	2			3								
	1			5	2	2	9	4	4	2		1	2						
				1		2	3	1		1									
	1			4	2		6	3	4	1		1	2						
			4	7	6	2	19	10	5	6	2	2		1					
			1	2	2		5	2	2	3		1		1					
			3	5	4	2	14	8	3	3	2	1							
				1			1			1									
				1			1			1									
	1		1	3	9	3	16	6	7	5	2	2	3						
				1	2		3		3	1	1		2						
	1		1	2	7	3	13	6	4	4	1	2	1						
				2		1	3	6	2	3	2								
				1		1	2	2	1	1	1								
				1			1	4	1	2	1								
			4	5	3	2	14	11	12	5	3	6			1				
			2	3			5	1	3		1								
			2	2	3	2	9	10	9	5	2	6			1				
				1	2	2	5	8	2	2	1	1							
					1		1	5	1			1							
				1	1	2	4	3	1	2	1								
			1	1			2	3	2	3									
			1				1		2	1									
				1			1	3		2									
			1				1												
			1				1												
		2	1	2	3		8	4	3	1	1	1	1						
			1				1	1		2	1								
		2		2	3		7	3	3	1		1	1						

Table II.—Concluded.—Divorces in Michigan, by counties and sex of complainant, duration of marriage

Counties.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of children									
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Oscoda	Totals	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Otsego	Totals	4	4	....	....	....	....	....	1	2	1	....	....	....	....	....	....	....
	Males	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Females	3	3	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....
Ottawa	Totals	15	14	....	....	....	1	....	6	3	1	1	1	1	2	....	....	....
	Males	4	3	....	....	....	1	....	....	3	....	1	....	....	....	....	....	....
	Females	11	11	....	....	....	....	....	6	....	1	....	1	1	2	....	....	....
Presque Isle	Totals	7	5	....	1	1	....	....	1	2	2	....	....	2	....	....	....	....
	Males	5	3	....	1	1	....	....	1	1	2	....	....	1	....	....	....	....
	Females	2	2	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....
Roscommon	Totals	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Saginaw	Totals	108	93	3	7	2	3	....	61	25	6	4	3	3	4	1	....	....
	Males	26	18	....	6	....	2	....	15	3	3	3	1	1	....	....	....	....
	Females	82	75	3	1	2	1	....	46	22	3	1	2	2	4	1	....	....
St. Clair	Totals	53	36	1	....	12	1	3	24	15	6	2	2	2	1	....	....	....
	Males	13	7	....	....	3	1	2	4	7	1	....	....	....	....	....	....	....
	Females	40	29	1	....	9	....	1	20	8	5	2	2	2	1	....	....	....
St. Joseph	Totals	26	23	3	....	....	....	....	13	11	1	1	....	....	....	....	....	....
	Males	5	4	1	....	....	....	....	3	2	....	....	....	....	....	....	....	....
	Females	21	19	2	....	....	....	....	10	9	1	1	....	....	....	....	....	....
Sanilac	Totals	15	12	1	....	2	....	....	9	4	1	1	....	....	....	....	....	....
	Males	4	4	....	....	....	....	....	3	1	....	....	....	....	....	....	....	....
	Females	11	8	1	....	2	....	....	6	3	1	1	....	....	....	....	....	....
Schoolcraft	Totals	5	5	....	....	....	....	....	2	2	....	1	....	....	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	5	5	....	....	....	....	....	2	2	....	1	....	....	....	....	....	....
Shiawassee	Totals	66	62	....	3	1	....	....	33	19	6	1	4	2	....	1	....	....
	Males	16	13	....	2	1	....	....	9	3	2	....	2	....	....	....	....	....
	Females	50	49	....	1	....	....	....	24	16	4	1	2	2	....	1	....	....
Tuscola	Totals	42	37	1	2	2	....	....	19	8	4	5	4	2	....	....	....	....
	Males	12	9	1	1	1	....	....	6	2	1	1	1	1	....	....	....	....
	Females	30	28	....	1	1	....	....	13	6	3	4	3	1	....	....	....	....
Van Buren	Totals	55	48	2	4	....	....	1	22	14	9	5	2	1	....	....	....	1
	Males	18	15	1	1	....	....	1	10	3	1	2	1	....	....	....	....	1
	Females	37	33	1	3	....	....	....	12	11	8	3	1	1	....	....	....	....
Washtenaw	Totals	39	27	2	5	2	2	1	22	9	6	....	1	....	....	....	1	....
	Males	13	9	1	3	....	....	....	9	2	2	....	....	....	....	....	....	....
	Females	26	18	1	2	2	2	1	13	7	4	....	1	....	....	....	1	....
Wayne	Totals	443	266	15	49	102	6	5	226	109	60	21	13	6	5	1	....	1
	Males	120	67	4	14	31	3	1	72	28	13	3	1	....	2	....	....	1
	Females	323	199	11	35	71	3	4	154	81	47	18	12	6	3	1	....	....
Wexford	Totals	35	31	2	2	....	....	....	13	9	8	3	....	1	1	....	....	....
	Males	9	9	....	....	....	....	....	3	1	4	....	....	....	1	....	....	....
	Females	26	22	2	2	....	....	....	10	8	4	3	....	1	....	....	....	....

ing the year 1904, showing place of marriage, number of children in family, and dura-before divorce.

in family.				Duration of marriage before divorce.																	
10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	Unknown.
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1	....	....	....	5	9	12	10	3	39	26	14	12	10	2	3	....	2	....	....	....	....
....	....	....	....	....	2	2	2	2	8	7	4	3	1	1	....	....	2	....	....	....	....
1	....	....	....	5	7	10	8	1	31	19	10	9	9	1	3	....	....	....	....	....	....
....	....	....	1	3	2	7	2	5	19	14	7	7	1	2	1	1	....	....	....	....	1
....	....	....	1	1	1	1	2	1	6	4	1	1	....	....	1	....	....	....	....	....	....
....	....	....	....	2	1	6	....	4	13	10	6	6	1	2	....	1	....	....	....	....	1
....	....	....	....	....	3	1	3	2	9	5	7	3	1	....	1	....	....	....	....	....	....
....	....	....	....	....	....	1	1	....	2	2	....	....	....	....	1	....	....	....	....	....	....
....	....	....	....	....	3	....	2	2	7	3	7	3	1	....	....	....	....	....	....	....	....
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....	....	....	....	....	1	1	....	....	2	....	1	1	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	2	1	....	3	3	4	....	....	1	....	....	....	....	....	....	....
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....	....	....	....	2	1	1	....	1	5	....	7	1	1	....	1	....	....	1	....	....	....
....	....	....	....	2	7	2	4	1	16	14	7	7	2	2	1	1	....	....	....	....	....
....	....	....	....	1	3	4	3	1	12	9	4	6	2	4	1	2	1	....	....	....	1
....	....	....	....	....	1	2	....	1	4	3	1	....	2	2	....	....	....	....	....	....	....
....	....	....	....	1	2	2	3	....	8	6	3	6	....	2	1	2	1	....	....	....	1
....	....	....	1	4	1	3	4	4	16	13	12	5	4	2	1	1	1	....	....	....	....
....	....	....	....	....	....	2	1	3	6	4	2	2	2	1	....	....	1	....	....	....	....
....	....	....	1	4	1	1	3	1	10	9	10	3	2	1	1	1	....	....	....	....	....
....	....	....	....	....	1	7	2	4	14	9	6	3	3	2	1	....	....	....	....	....	1
....	....	....	....	....	1	2	....	2	5	4	2	1	1	....	....	....	....	....	....	....	....
....	....	....	....	....	....	5	2	2	9	5	4	2	2	2	1	....	....	....	....	....	1
1	....	....	....	13	29	27	42	35	146	127	78	48	19	18	2	3	....	....	....	....	2
....	....	....	....	....	7	6	12	12	37	38	21	15	3	4	1	....	....	....	....	....	1
1	....	....	....	13	22	21	30	23	109	89	57	33	16	14	1	3	....	....	....	....	1
....	....	....	....	1	1	1	2	1	6	14	6	6	1	1	....	1	....	....	....	....	....
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Table III.—Causes of divorce in Michigan, by sex of complainant, during the year 1904, before

Causes alleged in petitions for divorces granted in 1904.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of					
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.
ALL CAUSES	Totals	2,768	2,213	128	177	178	33	39	1,344	647	352	183	85	58
	Males	769	574	41	68	58	11	17	433	151	77	46	19	11
	Females	1,999	1,639	87	109	120	22	22	911	496	275	137	66	47
Adultery	Totals	65	46	7	6	2	1	3	32	14	13	1	2	....
	Males	43	29	7	3	1	1	2	23	8	8	1	1	....
	Females	22	17	....	3	1	....	1	9	6	5	....	1	....
Adultery and cruelty	Totals	16	12	1	1	1	....	1	7	4	2	....	2	....
	Males	8	4	1	1	1	....	1	3	4	1	....	....	....
	Females	8	8	....	....	....	....	....	4	....	1	....	2	....
Adultery, cruelty and desertion	Totals	1	1	....	....	....	....	....	1	....	....	....	....	....
	Males	1	1	....	....	....	....	....	1	....	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....
Adultery and desertion	Totals	5	4	....	....	1	....	....	2	2	1		....	....
	Males	5	4	....	....	1	....	....	2	2	1	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....
Adultery and drunkenness	Totals	1	....	....	1	....	....	....	....	1	....	....	....	....
	Males	1	....	....	1	....	....	....	....	1	....	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....
Adultery and non-support	Totals	2	1	1	....	....	....	....	1	1	....	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	2	1	1	....	....	....	....	1	1	....	....	....	....
Annulment of marriage	Totals	2	1	....	....	1	....	....	1	....	1	....	....	....
	Males	1	....	....	....	1	....	....	....	....	1	....	....	....
	Females	1	1	....	....	....	....	....	1	....	....	....	....	....
Bigamy	Totals	5	4	....	....	1	....	....	4	....	1	....	....	....
	Males	5	4	....	....	1	....	....	4	....	1	....	....	....
	Females	....	....	....	....	....	....	....	....	....	....	....	....	....
Cruelty	Totals	1,047	856	46	48	78	6	13	528	212	125	81	34	30
	Males	361	283	8	27	35	2	6	210	68	30	26	9	7
	Females	686	573	38	21	43	4	7	318	144	95	55	25	23
Cruelty and desertion	Totals	59	42	5	7	5	....	....	21	17	7	7	3	1
	Males	27	16	4	4	3	....	....	12	6	3	3	1	....
	Females	32	26	1	3	2	....	....	9	11	4	4	2	1
Cruelty, desertion, and drunkenness	Totals	1	....	....	....	1	....	....	....	....	....	1	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	1	....	....	....	1	....	....	....	....	....	1	....	....
Cruelty, desertion, drunkenness and non-support	Totals	1	1	....	....	....	....	....	....	....	1	....	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	1	1	....	....	....	....	....	....	....	1	....	....	....
Cruelty, desertion and non-support	Totals	17	15	....	2	....	....	....	10	3	3	1	....	....
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	17	15	....	2	....	....	....	10	3	3	1	....	....
Cruelty and drunkenness	Totals	73	61	2	4	3	2	1	26	25	7	6	2	5
	Males	2	2	....	....	....	....	....	1	1	....	....	....	....
	Females	71	59	2	4	3	2	1	25	24	7	6	2	5
Cruelty, drunkenness and non-support	Totals	17	12	3	....	1	1	....	6	6	2	2	....	1
	Males	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females	17	12	3	....	1	1	....	6	6	2	2	....	1

showing place of marriage, number of children in family and duration of marriage divorce.

children.								Duration of marriage before divorce.																
6.	7.	8.	9.	10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	Unknown.
38	10	6	2	2	2	1	38	77	173	231	231	173	885	719	449	301	189	119	54	27	13	2	10
11	1	2	2	0	1	1	14	20	54	66	73	51	264	201	115	78	43	35	16	7	5	2	3
27	9	4	0	2	1	0	24	57	119	165	158	122	621	518	334	223	146	84	38	20	8	0	7
2	....	....	....	....	....	....	1	....	6	6	7	4	23	18	13	6	1	4	....	....	....	....	....
1	....	....	....	....	....	....	1	....	5	3	3	3	14	14	8	4	1	2	....	....	....	....	....
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16	6	1	....	1	....	....	13	46	90	97	72	67	372	250	171	111	68	44	17	8	4	....	2
5	1	....	....	....	....	....	5	17	42	36	28	30	153	83	53	30	19	16	4	2	....	....	1
11	5	1	....	1	....	....	8	29	48	61	44	37	219	167	118	81	49	28	13	6	4	....	1
....	....	....	....	....	....	....	3	1	2	4	4	3	14	16	11	13	1	1	3	....	....	....	....
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Table III.—Continued.—Causes of divorce in Michigan, during the year 1904.

Causes alleged in petitions for divorces granted in 1904.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of					
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.
Cruelty and fraud	Totals	1	1						1					
	Males	1	1						1					
	Females													
Cruelty, imprisonment and non-support	Totals	1	1									1		
	Males													
	Females	1	1									1		
Cruelty and infidelity	Totals	1	1						1					
	Males	1	1						1					
	Females													
Cruelty and non-support	Totals	308	256	9	19	16	4	4	159	73	40	17	10	3
	Males	6	5				1		2	3	1			
	Females	302	251	9	19	16	3	4	157	70	39	17	10	3
Desertion	Totals	575	438	30	50	33	13	11	263	145	71	42	18	9
	Males	284	205	20	30	15	6	8	155	56	31	15	8	3
	Females	291	233	10	20	18	7	3	108	89	40	27	10	6
Desertion and drunkenness	Totals	5	4					1	3	2				
	Males													
	Females	5	4					1	3	2				
Desertion and immorality	Totals	1	1						1					
	Males	1	1						1					
	Females													
Desertion and misconduct	Totals	1	1								1			
	Males													
	Females	1	1								1			
Desertion and non-support	Totals	97	74	4	10	5	2	2	37	25	15	5	7	1
	Males	3	2				1		1					1
	Females	94	72	4	10	5	1	2	36	25	15	5	7	
Drunkenness	Totals	46	34	2	5	2	1	2	19	9	9	6		1
	Males	7	6		1				4	2		1		
	Females	39	28	2	4	2	1	2	15	7	9	5		1
Drunkenness and imprisonment	Totals	1	1							1				
	Males													
	Females	1	1							1				
Drunkenness and non-support	Totals	31	28	1		1	1		17	4	5	1	1	1
	Males													
	Females	31	28	1		1	1		17	4	5	1	1	1
Duress and fraud	Totals	1	1						1					
	Males	1	1						1					
	Females													
Forced marriage	Totals	1	1						1					
	Males	1	1						1					
	Females													
Fraud	Totals	3	3						3					
	Males	2	2						2					
	Females	1	1						1					
Fraud and deceit	Totals	1	1						1					
	Males													
	Females	1	1						1					
Illegal age	Totals	2	2						2					
	Males													
	Females	2	2						2					

showing number of children in family, and duration of marriage before divorce.

children.								Duration of marriage before divorce.															
6.	7.	8.	9.	10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	Unknown.
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11	....	1	2	1	1	1	10	2	6	29	57	32	126	152	104	67	45	40	19	11	5	2	4
5	....	1	2	....	1	1	6	....	2	19	32	14	67	78	46	32	22	16	11	4	4	2	2
6	....	....	....	1	....	....	4	2	4	10	25	18	59	74	58	35	23	24	8	7	1	....	2
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Table III.—Concluded.—Causes of divorce in Michigan, during the year 1904.

Causes alleged in petitions for divorces granted in 1904.	Sex of complainants.	Complainants in divorces granted, 1904.	Place of marriage.						Number of					
			Michigan.	Ohio, Indiana, Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.
Illegal marriage	Totals	1	1							1				
	Males													
	Females	1	1							1				
Imprisonment	Totals	12	11			1			8	2	2			
	Males													
	Females	12	11			1			8	2	2			
Imprisonment and non-support	Totals	1	1							1				
	Males													
	Females	1	1							1				
Insanity	Totals	2	2						2					
	Males	2	2						2					
	Females													
Misconduct	Totals	3	2				1		3					
	Males	2	2						2					
	Females	1					1		1					
Non-support	Totals	359	291	16	24	26	1	1	181	99	46	12	6	6
	Males	2	1		1				2					
	Females	357	290	16	23	26	1	1	179	99	46	12	6	6
Physically incompetent	Totals	2	1	1					2					
	Males	2	1	1					2					
	Females													

showing number of children in family, and duration of marriage before divorce.

children.								Duration of marriage before divorce.															
6.	7	8.	9.	10.	11.	12.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	33 to 34.	35 to 39.	40 to 44.	45 to 49.	Unknown.
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7	1	....	....	....	....	....	1	10	33	32	35	22	132	105	55	31	19	12	2	2	....	....	1
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7	1	....	....	....	....	....	1	10	33	32	35	22	132	104	55	31	18	12	2	2	....	....	1
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TABLES

RELATING TO

BIRTHS

IN

MICHIGAN

AS ENUMERATED BY

SUPERVISORS AND ASSESSORS

FOR THE

YEAR 1904.

PRIMARY TABLES RELATING TO BIRTHS IN MICHIGAN ACCORDING TO THE ENUMERATION BY SUPERVISORS AND ASSESSORS FOR THE YEAR 1904.

TABLE I.—Births in Michigan, by months, counties and sex, as enumerated by supervisors and assessors for the year 1904. (Stillbirths included.)

TABLE II.—Births in Michigan, by nativity of parents, counties and sex, as enumerated by supervisors and assessors for the year 1904. (Stillbirths included.)

TABLE III.—Stillbirths, twins and illegitimate births in Michigan, by counties, as enumerated by supervisors and assessors for the year 1904.

TABLE IV.—Stillbirths, twins and illegitimate births in Michigan, by months and sex, as enumerated by supervisors and assessors for the year 1904.

TABLE V.—Stillbirths, twins and illegitimate births in Michigan, by nativity of parents, as enumerated by supervisors and assessors for the year 1904.

NOTE.—*Secondary tables*, containing birth rates and comparisons with previous years, may be found on preceding pages of this Report, together with the descriptive tex. It may be noted that no comparisons with other States or countries are given for the reason that the return of births, obtained by means of enumeration after the close of the year by supervisors and assessors, are grossly inaccurate. Perhaps one-third of all the births that actually occur in the State escape enumeration. The returns are valuable for certain internal comparisons, as pointed out in the text on this subject, but they should be used with great caution for all purposes, and especially for the comparative study of birth rates. The tables relating to births are placed last because of their unreliable character and also because the tardiness of the returns under the old law (last amended in 1869) causes them to be received at the Department of State long after the deaths, marriages and divorces have been compiled.

Table I.—Births in Michigan, by months, counties and sex, as enumerated by supervisors and assessors for the year 1904. (Stillbirths included.)

Counties.	Sex.	Year 1904.	Months 1904.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
STATE	Totals	47,508	3,310	3,509	3,961	3,885	4,102	3,913	4,079	4,312	4,295	4,254	3,732	4,125	31
	Males	24,531	1,686	1,764	2,067	2,022	2,134	1,953	2,130	2,248	2,271	2,196	1,924	2,118	18
	Females	22,977	1,624	1,745	1,894	1,863	1,968	1,960	1,949	2,064	2,024	2,058	1,808	2,007	13
Alcona	Totals	105	14	4	8	14	12	8	7	14	8	3	7	6	..
	Males	43	7	3	2	7	5	4	2	6	2	1	2	2	..
	Females	62	7	1	6	7	7	4	5	8	6	2	5	4	..
Alger	Totals	113	7	8	8	9	11	9	3	4	12	19	9	14	..
	Males	70	5	5	4	6	8	6	.....	3	7	12	4	10	..
	Females	43	2	3	4	3	3	3	3	1	5	7	5	4	..
Allegan	Totals	702	45	36	59	63	55	58	61	80	63	67	48	67	..
	Males	380	26	18	36	35	35	29	34	41	36	32	26	32	..
	Females	322	19	18	23	28	20	29	27	39	27	35	22	35	..
Alpena	Totals	466	33	43	50	45	40	38	33	41	51	27	31	34	..
	Males	236	13	20	22	32	22	18	17	20	24	17	15	16	..
	Females	230	20	23	28	13	18	20	16	21	27	10	16	18	..
Antrim	Totals	266	16	17	17	19	26	27	34	26	21	20	20	23	..
	Males	140	11	9	8	8	12	14	21	12	12	14	7	12	..
	Females	126	5	8	9	11	14	13	13	14	9	6	13	11	..
Arenac	Totals	226	16	9	11	27	18	18	24	20	30	18	19	16	..
	Males	114	4	7	9	11	8	9	14	12	12	9	13	6	..
	Females	112	12	2	2	16	10	9	10	8	18	9	6	10	..
Baraga	Totals	121	9	12	17	12	8	7	11	9	10	10	11	5	..
	Males	60	5	7	11	6	4	2	2	4	5	5	5	4	..
	Females	61	4	5	6	6	4	5	9	5	5	5	6	1	..
Barry	Totals	350	26	30	34	27	29	19	45	24	26	21	31	38	..
	Males	168	13	16	16	11	15	3	26	14	17	8	16	13	..
	Females	182	13	14	18	16	14	16	19	10	9	13	15	25	..
Bay	Totals	1,572	120	105	153	142	142	142	117	131	145	125	122	128	..
	Males	845	63	63	83	82	77	73	62	67	71	76	62	66	..
	Females	727	57	42	70	60	65	69	55	64	74	49	60	62	..
Benzie	Totals	229	17	14	29	12	25	17	15	14	27	27	16	16	..
	Males	112	6	8	15	2	14	7	7	6	18	12	8	9	..
	Females	117	11	6	14	10	11	10	8	8	9	15	8	7	..
Berrien	Totals	669	43	46	48	69	61	49	51	53	68	58	58	65	..
	Males	336	19	22	25	40	33	23	22	32	33	25	29	33	..
	Females	333	24	24	23	29	28	26	29	21	35	33	29	32	..
Branch	Totals	390	21	32	40	29	40	33	29	29	41	35	32	29	..
	Males	202	10	18	20	16	21	15	13	19	22	16	18	14	..
	Females	188	11	14	20	13	19	18	16	10	19	19	14	15	..
Calhoun	Totals	672	45	60	47	44	55	56	48	70	58	73	53	63	..
	Males	349	20	30	34	20	35	26	23	37	34	32	27	31	..
	Females	323	25	30	13	24	20	30	25	33	24	41	26	32	..
Cass	Totals	215	11	13	19	18	17	17	20	19	23	23	16	19	..
	Males	119	3	5	12	8	11	12	14	10	12	15	6	11	..
	Females	96	8	8	7	10	6	5	6	9	11	8	10	8	..
Charlevoix	Totals	224	17	15	24	16	14	15	25	21	21	17	23	16	..
	Males	99	8	9	15	7	5	6	14	11	8	3	5	8	..
	Females	125	9	6	9	9	9	9	11	10	13	14	18	8	..
Cheboygan	Totals	255	16	11	19	22	19	26	30	34	29	18	13	18	..
	Males	131	8	7	9	16	6	8	18	18	18	7	4	12	..
	Females	124	8	4	10	6	13	18	12	16	11	11	9	6	..
Chippewa	Totals	436	51	27	40	39	33	41	34	35	37	35	31	33	..
	Males	222	23	10	21	22	19	25	19	19	19	17	13	15	..
	Females	214	28	17	19	17	14	16	15	16	18	18	18	18	..

Table I.—Continued.—Births in Michigan, by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months 1904.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Clare	Totals	170	5	10	16	17	16	26	14	13	16	12	12	13	..
	Males	82	4	2	8	8	7	12	7	7	8	7	7	5	..
	Females	88	1	8	8	9	9	14	7	6	8	5	5	8	..
Clinton	Totals	451	26	27	35	37	40	41	36	39	43	36	37	54	..
	Males	236	17	15	17	25	19	19	17	22	19	19	21	26	..
	Females	215	9	12	18	12	21	22	19	17	24	17	16	28	..
Crawford	Totals	48	3	1	2	5	3	5	3	6	5	7	1	7	..
	Males	27	2	1	1	1	1	3	2	3	5	4	.....	4	..
	Females	21	1	.....	1	4	2	2	1	3	.....	3	1	3	..
Delta	Totals	578	46	53	43	58	28	46	59	52	54	41	45	51	2
	Males	275	29	22	20	24	8	15	28	25	30	24	24	25	1
	Females	303	17	31	23	34	20	31	31	27	24	17	21	26	1
Dickinson	Totals	664	52	50	63	55	54	51	55	65	57	55	43	64	..
	Males	341	29	24	33	25	27	22	27	38	29	25	26	36	..
	Females	323	23	26	30	30	27	29	28	27	28	30	17	28	..
Eaton	Totals	478	36	40	33	44	52	44	55	33	46	42	21	32	..
	Males	232	21	18	14	22	23	24	24	15	25	20	11	15	..
	Females	246	15	22	19	22	29	20	31	18	21	22	10	17	..
Emmet	Totals	285	21	23	31	21	23	19	31	31	26	22	21	16	..
	Males	140	14	11	14	10	12	8	17	16	12	9	8	9	..
	Females	145	7	12	17	11	11	11	14	15	14	13	13	7	..
Genesee	Totals	610	54	43	39	56	50	42	52	62	54	64	48	46	..
	Males	307	31	23	22	28	17	22	31	25	32	36	17	23	..
	Females	303	23	20	17	28	33	20	21	37	22	28	31	23	..
Gladwin	Totals	158	13	14	9	16	15	12	16	14	6	11	13	19	..
	Males	79	8	8	6	8	7	6	9	7	2	3	7	8	..
	Females	79	5	6	3	8	8	6	7	7	4	8	6	11	..
Gogebic	Totals	511	37	24	50	49	39	52	22	47	52	64	37	38	..
	Males	276	17	14	26	26	21	19	14	22	32	30	22	23	..
	Females	235	20	10	24	23	18	23	8	25	20	34	15	15	..
Gd. Traverse	Totals	363	26	23	25	25	33	28	33	39	30	35	29	37	..
	Males	171	14	9	8	11	15	15	11	26	16	13	12	21	..
	Females	192	12	14	17	14	18	13	22	13	14	22	17	16	..
Gratiot	Totals	518	24	42	37	41	59	47	53	47	43	61	31	33	..
	Males	255	11	19	22	19	28	20	28	24	15	30	20	19	..
	Females	263	13	23	15	22	31	27	25	23	28	31	11	14	..
Hillsdale	Totals	339	14	28	37	31	18	25	41	28	29	37	28	23	..
	Males	195	5	18	22	18	8	14	24	19	19	17	18	13	..
	Females	144	9	10	15	13	10	11	17	9	10	20	10	10	..
Houghton	Totals	2,784	207	237	257	220	235	208	229	271	246	227	225	219	3
	Males	1,486	107	113	141	117	126	109	126	147	142	130	114	113	1
	Females	1,298	100	124	116	103	109	99	103	124	104	97	111	106	2
Huron	Totals	702	42	58	43	73	50	64	69	52	75	68	53	55	..
	Males	376	20	25	26	43	17	39	36	25	46	42	30	27	..
	Females	326	22	33	17	30	33	25	33	27	29	26	23	28	..
Ingham	Totals	440	33	30	45	29	46	41	32	42	34	35	42	30	1
	Males	242	16	16	25	15	28	21	16	17	19	18	31	19	1
	Females	198	17	14	20	14	18	20	16	25	15	17	11	11	..
Ionia	Totals	494	37	25	45	44	46	52	36	40	44	51	40	33	1
	Males	269	20	13	24	25	21	32	19	20	27	25	18	24	1
	Females	225	17	12	21	19	25	20	17	20	17	26	22	9	..
Iosco	Totals	236	12	16	19	28	17	20	14	23	22	20	23	22	..
	Males	116	8	9	6	15	11	7	7	11	12	6	16	8	..
	Females	120	4	7	13	13	6	13	7	12	10	14	7	14	..
Iron	Totals	202	21	10	17	18	16	19	15	18	19	15	20	14	..
	Males	105	12	4	9	10	8	14	6	7	9	9	11	6	..
	Females	97	9	6	8	8	8	5	9	11	10	6	9	8	..

Table I.—Continued.—Births in Michigan, by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months 1904.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Isabella	Totals	465	31	35	20	45	41	52	30	61	43	33	38	36	..
	Males	241	23	15	11	21	28	26	10	28	23	20	19	17	..
	Females	224	8	20	9	24	13	26	20	33	20	13	19	19	..
Jackson	Totals	846	56	60	69	64	70	81	66	96	72	84	59	69	..
	Males	430	29	35	44	26	32	35	28	51	40	46	31	33	..
	Females	416	27	25	25	38	38	46	38	45	32	38	28	36	..
Kalamazoo	Totals	650	44	48	55	37	43	47	55	60	60	65	62	74	..
	Males	345	23	18	25	20	22	30	30	31	31	37	37	41	..
	Females	305	21	30	30	17	21	17	25	29	29	28	25	33	..
Kalkaska	Totals	147	6	9	14	9	12	11	16	18	13	10	10	19	..
	Males	74	2	3	7	7	9	5	11	9	6	3	5	7	..
	Females	73	4	6	7	2	3	6	5	9	7	7	5	12	..
Kent	Totals	2,570	178	196	219	228	229	209	223	207	214	222	207	237	1
	Males	1,310	88	102	112	117	118	99	110	110	108	104	117	113	1
	Females	1,260	90	94	107	111	111	110	122	97	106	118	90	104	..
Keweenaw	Totals	154	12	7	11	16	19	9	9	16	11	11	12	20	1
	Males	84	6	4	7	12	10	5	6	6	4	6	7	10	1
	Females	70	6	3	4	4	9	4	3	10	7	5	5	10	..
Lake	Totals	70	3	7	5	5	6	4	6	6	7	5	10	6	..
	Males	42	1	4	3	3	3	4	3	5	5	3	6	2	..
	Females	28	2	3	2	2	3	.....	3	1	2	2	4	4	..
Lapeer	Totals	388	18	22	31	42	42	27	26	35	37	37	31	40	..
	Males	199	10	13	18	18	23	13	14	15	21	20	18	16	..
	Females	189	8	9	13	24	19	14	12	20	16	17	13	24	..
Leelanau	Totals	211	13	15	18	24	14	21	18	22	19	22	12	13	..
	Males	107	7	4	9	16	8	10	9	10	3	13	8	10	..
	Females	104	6	11	9	8	6	11	9	12	16	9	4	3	..
Lenawee	Totals	525	31	43	47	33	43	43	32	53	62	41	52	45	..
	Males	250	9	22	20	16	20	19	16	29	33	21	26	19	..
	Females	275	22	21	27	17	23	24	16	24	29	20	26	26	..
Livingston	Totals	233	15	18	20	20	18	21	15	16	24	30	18	18	..
	Males	108	4	10	7	10	12	11	7	6	10	14	7	10	..
	Females	125	11	8	13	10	6	10	8	10	14	16	11	8	..
Luce	Totals	55	4	3	2	2	7	4	2	8	7	4	5	7	..
	Males	29	3	1	1	.....	1	3	2	4	6	2	3	3	..
	Females	26	1	2	1	2	6	1	.....	4	1	2	2	4	..
Mackinac	Totals	108	7	4	13	11	11	6	11	7	12	8	9	9	..
	Males	55	3	2	5	7	5	3	6	4	4	6	6	4	..
	Females	53	4	2	8	4	6	3	5	3	8	2	3	5	..
Macomb	Totals	508	55	34	26	24	37	41	43	37	59	56	51	45	..
	Males	261	31	14	10	14	19	23	21	19	34	28	26	22	..
	Females	247	24	20	16	10	18	18	22	18	25	28	25	23	..
Manistee	Totals	555	36	36	30	40	46	42	56	49	54	61	46	59	..
	Males	295	23	14	17	25	28	27	24	29	28	27	20	33	..
	Females	260	13	22	13	15	18	15	32	20	26	34	26	26	..
Marquette	Totals	1,316	83	106	127	102	148	117	104	123	109	104	97	96	..
	Males	658	45	54	57	56	71	55	50	56	61	53	53	47	..
	Females	658	38	52	70	46	77	62	54	67	48	51	44	49	..
Mason	Totals	413	27	25	46	42	41	40	42	34	30	31	30	25	..
	Males	221	13	13	22	27	17	19	18	19	21	20	19	13	..
	Females	192	14	12	24	15	24	21	24	15	9	11	11	12	..
Mecosta	Totals	324	22	16	34	34	31	18	30	28	27	28	33	21	2
	Males	155	10	9	15	18	19	10	13	13	13	10	15	10	..
	Females	169	12	7	19	16	12	8	17	15	14	18	18	11	2
Menominee	Totals	508	32	45	52	47	55	50	42	35	35	30	47	38	..
	Males	260	17	24	23	21	27	27	27	12	18	20	26	18	..
	Females	248	15	21	29	26	28	23	15	23	17	10	21	20	..

Table I.—Continued.—Births in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months. 1904.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Midland	Totals	279	10	19	20	20	28	28	30	34	21	27	25	17	..
	Males	139	6	5	11	12	10	14	14	20	12	12	15	8	..
	Females	140	4	14	9	8	18	14	16	14	9	15	10	9	..
Missaukee	Totals	188	6	20	26	18	16	16	12	19	16	16	13	9	2
	Males	101	2	11	13	11	6	9	6	11	10	7	8	6	1
	Females	87	4	9	12	7	10	7	6	8	6	9	5	3	1
Monroe	Totals	612	42	45	37	44	49	55	55	62	56	56	42	69	..
	Males	332	24	23	23	24	24	28	32	33	32	22	19	48	..
	Females	280	18	22	14	20	25	27	23	29	24	34	23	21	..
Montcalm	Totals	412	19	32	41	43	44	32	32	34	38	28	34	35	..
	Males	215	7	17	17	26	21	15	19	15	21	13	17	27	..
	Females	197	12	15	24	17	23	17	13	19	17	15	17	8	..
Montmorency	Totals	73	4	3	11	4	6	4	10	6	7	5	5	8	..
	Males	42	4	1	5	2	3	2	7	4	3	2	3	6	..
	Females	31	.....	2	6	2	3	2	3	2	4	3	2	2	..
Muskegon	Totals	633	31	51	49	61	50	54	62	60	63	54	46	52	..
	Males	315	13	24	22	30	26	22	35	34	32	32	24	21	..
	Females	318	18	27	27	31	24	32	27	26	31	22	22	31	..
Newaygo	Totals	212	13	15	16	19	26	14	16	21	20	23	14	15	..
	Males	117	9	8	6	10	13	9	12	7	10	16	10	7	..
	Females	95	4	7	10	9	13	5	4	14	10	7	4	8	..
Oakland	Totals	542	44	36	42	59	43	35	49	57	47	49	31	50	..
	Males	284	19	16	23	22	27	21	25	33	24	29	16	29	..
	Females	258	25	20	19	37	16	14	24	24	23	20	15	21	..
Oceana	Totals	295	21	18	22	21	21	23	31	29	29	25	29	26	..
	Males	158	13	9	11	9	12	14	21	13	17	14	12	13	..
	Females	137	8	9	11	12	9	9	10	16	12	11	17	13	..
Ogemaw	Totals	120	8	6	10	14	10	12	11	16	11	6	9	7	..
	Males	60	3	2	6	5	6	3	7	12	4	3	5	4	..
	Females	60	5	4	4	9	4	9	4	4	7	3	4	3	..
Ontonagon	Totals	238	15	17	19	19	16	18	27	27	11	27	17	25	..
	Males	125	5	12	10	9	10	9	17	14	4	12	9	14	..
	Females	113	10	5	9	10	6	9	10	13	7	15	8	11	..
Osceola	Totals	332	15	25	29	20	34	38	26	28	32	40	24	21	..
	Males	172	5	12	18	7	22	19	10	19	12	20	15	13	..
	Females	160	10	13	11	13	12	19	16	9	20	20	9	8	..
Oscoda	Totals	36	2	4	2	5	.....	4	1	2	7	2	1	5	1
	Males	13	.....	3	.....	.....	.....	.....	1	.....	3	1	1	4	..
	Females	23	2	1	2	5	.....	4	.....	2	4	1	.....	1	1
Otsego	Totals	115	9	6	8	8	10	15	11	15	6	14	7	6	..
	Males	65	6	1	4	6	6	5	5	11	3	10	3	5	..
	Females	50	3	5	4	2	4	10	6	4	3	4	4	1	..
Ottawa	Totals	793	54	53	61	65	75	68	66	84	70	75	52	67	3
	Males	400	26	23	27	39	45	27	29	47	42	36	22	34	3
	Females	393	28	30	34	26	30	41	37	37	28	39	30	33	..
Presque Isle	Totals	278	20	14	27	18	21	35	36	24	23	17	24	19	..
	Males	134	13	6	15	8	12	14	17	10	15	2	11	11	..
	Females	144	7	8	12	10	9	21	19	14	8	15	13	8	..
Scommon	Totals	14	.....	.....	1	5	2	2	2	.....	.....	1	.....	1	..
	Males	7	.....	.....	.....	2	1	1	2	.....	.....	1	.....	.....	..
	Females	7	.....	.....	1	3	1	1	.....	.....	.....	.....	.....	1	..
Saginaw	Totals	1,049	136	133	161	120	189	180	160	207	199	172	134	156	2
	Males	982	63	67	91	57	103	86	88	105	108	80	65	69	..
	Females	967	73	66	70	63	86	94	72	102	91	92	69	87	2
St. Clair	Totals	886	57	70	62	49	61	68	86	88	86	89	98	71	1
	Males	479	33	36	31	27	28	37	51	52	45	54	43	42	..
	Females	407	24	34	31	22	33	31	35	36	41	35	55	29	1

Table I.—Concluded.—Births in Michigan by months, counties and sex, 1904.

Counties.	Sex.	Year 1904.	Months 1904.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
St. Joseph...	Totals...	289	25	22	21	20	26	28	25	18	23	30	24	27	..
	Males...	136	16	10	9	12	14	13	14	6	6	15	11	10	..
	Females.	153	9	12	12	8	12	15	11	12	17	15	13	17	..
Sanilac.....	Totals...	732	49	54	51	59	71	59	70	63	73	63	60	60	..
	Males...	363	22	27	28	24	34	28	40	33	37	33	26	31	..
	Females.	369	27	27	23	35	37	31	30	30	36	30	34	29	..
Schoolcraft...	Totals...	207	12	16	16	28	14	14	25	17	14	19	13	18	1
	Males...	95	5	6	9	13	7	6	6	7	8	9	6	12	1
	Females.	112	7	10	7	15	7	8	19	10	6	10	7	6	..
Shiawassee...	Totals...	408	34	34	25	30	40	23	38	39	31	37	43	32	2
	Males...	202	17	14	14	17	24	8	16	13	16	19	24	18	2
	Females.	206	17	20	11	13	16	15	22	26	15	18	19	14	..
Tuscola.....	Totals...	613	54	56	56	53	51	54	49	63	42	45	41	49	..
	Males...	329	24	29	34	23	28	28	27	39	25	30	21	21	..
	Females.	284	30	27	22	30	23	26	22	24	17	15	20	28	..
Van Buren...	Totals...	437	29	37	40	37	40	43	38	24	32	34	34	49	..
	Males...	223	11	18	18	24	21	25	18	11	15	14	16	32	..
	Females.	214	18	19	22	13	19	18	20	13	17	20	18	17	..
Washtenaw..	Totals...	515	38	45	30	43	27	46	50	41	52	47	38	57	1
	Males...	285	21	22	11	34	17	25	31	25	30	20	20	28	1
	Females.	230	17	23	19	9	10	21	19	16	22	27	18	29	..
Wayne.....	Totals...	8,833	646	686	742	668	740	654	749	740	788	840	707	866	7
	Males...	4,596	329	362	400	337	384	336	412	394	406	448	362	422	4
	Females.	4,237	317	324	342	331	356	318	337	346	382	392	345	444	3
Wexford.....	Totals...	379	28	27	29	36	34	26	34	37	32	32	29	35	..
	Males...	202	14	18	12	19	24	14	15	17	13	21	18	17	..
	Females	177	14	9	17	17	10	12	19	20	19	11	11	18	..

Table II.—Births in Michigan, by nativity of parents, counties and sex, as enumerated by supervisors and assessors of the year 1904. (Stillbirths included.)

State and counties.	Sex.	Children born in 1904.	Nativity of parents of children born in 1904.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father—		Father unknown. Mother—		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
STATE	Totals	47,508	23,496	13,412	5,830	3,297	86	35	163	57	682
	Males	24,531	12,300	6,927	3,041	1,708	41	15	86	35	378
	Females	22,977	11,646	6,485	2,789	1,589	45	20	77	22	304
Alcona	Totals	105	32	29	32	12	.....	.....	.....	.....	....
	Males	43	11	17	9	6	.....	.....	.....	.....	....
	Females	62	21	12	23	6	.....	.....	.....	.....	....
Alger	Totals	113	39	52	10	11	.....	.....	1	.....	....
	Males	70	25	29	7	8	.....	.....	1	.....	....
	Females	43	14	23	3	3	.....	.....	.....	.....	....
Allegan	Totals	702	540	43	50	42	15	4	.....	1	7
	Males	380	289	28	30	18	9	1	.....	1	4
	Females	322	251	15	20	24	6	3	.....	.....	3
Alpena	Totals	466	137	167	107	54	.....	1	.....	.....	....
	Males	236	69	76	56	34	.....	1	.....	.....	....
	Females	230	68	91	51	20	.....	.....	.....	.....	....
Antrim	Totals	266	156	38	49	20	1	.....	.....	.....	2
	Males	140	85	15	23	14	1	.....	.....	.....	2
	Females	126	71	23	26	6	.....	.....	.....	.....	....
Arenac	Totals	226	107	59	39	17	.....	.....	2	1	1
	Males	114	52	34	17	11	.....	.....	.....	.....	....
	Females	112	55	25	22	6	.....	.....	2	1	1
Baraga	Totals	121	36	58	18	9	.....	.....	.....	.....	....
	Males	60	19	26	10	5	.....	.....	.....	.....	....
	Females	61	17	32	8	4	.....	.....	.....	.....	....
Barry	Totals	350	317	9	17	6	1	.....	.....	.....	....
	Males	168	149	6	10	3	.....	.....	.....	.....	....
	Females	182	168	3	7	3	1	.....	.....	.....	....
Bay	Totals	1 572	663	470	289	130	11	2	6	.....	1
	Males	845	343	264	161	68	5	.....	3	.....	1
	Females	727	320	206	128	62	6	2	3	.....	....
Benzie	Totals	229	137	31	40	10	2	.....	3	.....	6
	Males	112	66	13	22	6	1	.....	2	.....	2
	Females	117	71	18	18	4	1		1	.....	4
Berrien	Totals	669	419	144	36	31	2	.....	4	1	32
	Males	336	201	81	16	17	1	.....	1	.....	19
	Females	333	218	63	20	14	1	.....	3	1	13
Branch	Totals	390	338	16	17	9	.....	1	6	.....	3
	Males	202	174	10	11	4	.....	.....	2	.....	1
	Females	188	164	6	6	5	.....	1	4	.....	2
Calhoun	Totals	672	547	42	40	36	.....	.....	2	.....	5
	Males	349	273	29	21	23	.....	.....	.....	.....	3
	Females	323	274	13	19	13	.....	.....	2	.....	2
Cass	Totals	215	198	1	6	7	1	.....	1	.....	1
	Males	119	110	.....	2	5	1	.....	1	.....	....
	Females	96	88	1	4	2	.....	.....	.....	.....	1
Charlevoix	Totals	224	143	26	30	23	.....	.....	1	.....	1
	Males	99	66	9	13	11	.....	.....	.....	.....	....
	Females	125	77	17	17	12	.....	.....	1	.....	1

Table II.—Continued.—Births by counties, parent nativity and sex, 1904.

Counties.	Sex.	Children born in 1904.	Nativity of parents of children born in 1904.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father— Native.	Mother unknown. Father— Foreign.	Father unknown. Mother— Native.	Father unknown. Mother— Foreign.	Both unknown.
Cheboygan	Totals	255	120	53	54	27	...	...	1	...	...
	Males	131	57	26	34	13	...	...	1	...	...
	Females	124	63	27	20	14	...	...	...	...	...
Chippewa	Totals	436	72	249	68	36	...	...	5	3	3
	Males	222	39	134	27	15	...	...	2	2	3
	Females	214	33	115	41	21	...	...	3	1	...
Clare	Totals	170	98	30	27	10	1	...	2	2	...
	Males	82	50	13	11	6	1	...	1	...	...
	Females	88	48	17	16	4	...	...	1	2	...
Clinton	Totals	451	398	5	32	15	...	1	...	...	...
	Males	236	211	3	15	7	...	...	...	...	...
	Females	215	187	2	17	8	...	1	...	...	...
Crawford	Totals	48	28	4	10	5	...	...	1	...	...
	Males	27	13	3	7	3	...	...	1	...	...
	Females	21	15	1	3	2	...	...	...	...	...
Delta	Totals	578	151	244	108	43	1	2	1	...	28
	Males	275	77	117	43	25	1	...	1	...	11
	Females	303	74	127	65	18	...	2	...	...	17
Dickinson	Totals	664	72	509	63	19	...	...	1	...	...
	Males	341	38	262	31	9	...	...	1	...	...
	Females	323	34	247	32	10	...	...	...	...	...
Eaton	Totals	478	447	5	16	10	...	...	...	...	...
	Males	232	218	3	9	2	...	...	...	...	...
	Females	246	229	2	7	8	...	...	...	...	...
Emmet	Totals	285	186	31	34	24	1	1	4	1	3
	Males	140	84	17	20	10	1	1	4	...	3
	Females	145	102	14	14	14	...	...	...	1	...
Genesee	Totals	610	480	28	54	44	1	...	1	...	2
	Males	307	243	11	34	17	1	...	...	...	1
	Females	303	237	17	20	27	...	...	1	...	1
Gladwin	Totals	158	88	27	27	14	1	...	1	...	...
	Males	79	47	10	14	8	...	...	...	...	...
	Females	79	41	17	13	6	1	...	1	...	...
Gogebic	Totals	511	42	424	25	11	...	1	...	...	8
	Males	276	24	227	12	6	...	1	...	...	6
	Females	235	18	197	13	5	...	...	...	...	2
Grand Traverse	Totals	363	244	36	48	29	4	...	2	...	...
	Males	171	108	16	29	16	1	...	1	...	...
	Females	192	136	20	19	13	3	...	1	...	...
Gratiot	Totals	518	451	15	31	19	1	...	1	...	...
	Males	255	219	10	16	10	...	...	...	...	...
	Females	263	232	5	15	9	1	...	1	...	...
Hillsdale	Totals	339	324	2	7	5	1	...	...	...	...
	Males	195	184	1	5	5	...	...	...	...	...
	Females	144	140	1	2	...	1	...	...	...	...
Houghton	Totals	2,784	469	1,851	319	119	2	4	4	8	8
	Males	1,486	254	966	184	68	1	...	3	7	3
	Females	1,298	215	885	135	51	1	4	1	1	5
Huron	Totals	702	283	200	142	77	...	...	...	...	...
	Males	376	156	101	75	44	...	...	...	...	...
	Females	326	127	99	67	33	...	...	...	...	...

Table II.—Continued.—Births by counties, parent nativity and sex, 1904.

Counties.	Sex.	Children born in 1904.	Nativity of parents of children born in 1904.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		Both unknown.
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Ingham	Totals	440	347	47	28	17	1				
	Males	242	191	26	15	10					
	Females	198	156	21	13	7	1				
Ionia	Totals	494	406	22	34	25			2		5
	Males	269	224	13	18	11			1		2
	Females	225	182	9	16	14			1		3
Iosco	Totals	236	93	75	43	21	1		2		1
	Males	116	44	46	15	10			1		
	Females	120	49	29	28	11	1		1		1
Iron	Totals	202	22	158	11	9				2	
	Males	105	12	84	3	5				1	
	Females	97	10	74	8	4				1	
Isabella	Totals	465	341	43	40	37	1		3		
	Males	241	176	24	17	22	1		1		
	Females	224	165	19	23	15			2		
Jackson	Totals	846	602	78	73	52	3	1	6	1	29
	Males	430	315	34	29	27	2		5		18
	Females	416	287	44	44	25	1	1	1	1	12
Kalamazoo	Totals	650	421	118	60	45	2		2		2
	Males	345	230	62	25	25	1		1		1
	Females	305	191	56	35	20	1		1		1
Kalkaska	Totals	147	105	11	15	12			2		1
	Males	74	54	6	5	7			1		1
	Females	73	51	5	10	6			1		
Kent	Totals	2,570	1,206	800	334	175	4	3	26	10	12
	Males	1,310	614	419	165	79	1	2	18	7	5
	Females	1,260	592	381	169	96	3	1	8	3	7
Keweenaw	Totals	154	26	112	12	3					
	Males	84	18	62	2	2					
	Females	70	8	51	10	1					
Lake	Totals	70	49	9	8	4					
	Males	42	28	7	4	3					
	Females	28	21	2	4	1					
Lapeer	Totals	388	258	29	62	37	1		1		
	Males	199	125	16	34	23	1				
	Females	189	133	13	28	14			1		
Leelanau	Totals	211	128	38	31	10	1		1		2
	Males	107	63	23	15	6					
	Females	104	65	15	16	4	1		1		2
Lenawee	Totals	525	442	23	28	30			2		
	Males	250	207	14	12	17					
	Females	275	235	9	16	13			2		
Livingston	Totals	233	185	10	16	21	1				
	Males	108	89	5	5	8	1				
	Females	125	96	5	11	13					
Luce	Totals	55	12	30	8	4				1	
	Males	29	7	17	2	3					
	Females	26	5	13	6	1				1	
Mackinac	Totals	108	43	37	17	10				1	
	Males	55	24	18	9	4					
	Females	53	19	19	8	6				1	

Table II.—Continued.—Births by counties, parent nativity and sex, 1904.

Counties.	Sex.	Children born in 1904.	Nativity of parents of children born in 1904.								
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown. Father—		Father unknown. Mother—		Both unknown.
							Native.	Foreign.	Native.	Foreign.	
Macomb	Totals	508	382	46	45	34	.....	.....	1	.....	....
	Males	261	192	26	27	15	.....	.....	1	.....	....
	Females	247	190	20	18	19	.....	.....	.....	.....	....
Manistee	Totals	555	203	217	90	38	.....	.....	5	1	1
	Males	295	111	113	44	22	.....	.....	5	.....	....
	Females	260	92	104	46	16	.....	.....	.....	1	1
Marquette	Totals	1,316	260	775	197	73	1	2	3	3	2
	Males	658	134	378	100	38	1	2	2	1	2
	Females	658	126	397	97	35	.....	.....	1	2	....
Mason	Totals	413	211	120	47	30	.....	.....	4	1	....
	Males	221	120	54	25	19	.....	.....	2	1	....
	Females	192	91	66	22	11	.....	.....	2	.....	....
Mecosta	Totals	324	236	32	36	16	1	1	.....	.....	2
	Males	155	108	17	21	7	.....	1	.....	.....	1
	Females	169	128	15	15	9	1	.....	.....	.....	1
Menominee	Totals	508	165	258	61	21	1	2	.....	.....	....
	Males	2 0	90	131	31	7	.....	1	.....	.....	....
	Females	248	75	127	30	14	1	1	.....	.....	....
Midland	Totals	279	176	42	35	23	2	.....	1	.....	....
	Males	139	86	18	19	15	1	.....	.....	.....	....
	Females	140	90	24	16	8	1	.....	1	.....	....
Missaukee	Totals	188	97	37	29	23	2	.....	.....	.....	....
	Males	101	54	19	17	10	1	.....	.....	.....	....
	Females	87	43	18	12	13	1	.....	.....	.....	....
Monroe	Totals	612	529	27	40	14	1	.....	.....	.....	1
	Males	332	283	15	23	9	1	.....	.....	.....	....
	Females	280	246	11	17	5	.....	.....	.....	.....	1
Montcalm	Totals	412	312	44	34	22	.....	.....	.....	.....	....
	Males	215	164	21	19	11	.....	.....	.....	.....	....
	Females	197	148	23	15	11	.....	.....	.....	.....	....
Montmorency	Totals	73	29	15	23	5	.....	.....	.....	1	....
	Males	42	19	7	13	3	.....	.....	.....	.....	....
	Females	31	10	8	10	2	.....	.....	.....	1	....
Muskegon	Totals	633	301	190	79	58	1	.....	2	1	1
	Males	315	150	95	43	23	1	.....	2	.....	1
	Females	318	151	95	36	35	.....	.....	.....	1	....
Newaygo	Totals	212	162	21	19	10	.....	.....	.....	.....	....
	Males	117	89	15	9	4	.....	.....	.....	.....	....
	Females	95	73	6	10	6	.....	.....	.....	.....	....
Oakland	Totals	542	415	42	55	29	.....	.....	.....	.....	1
	Males	284	204	24	40	16	.....	.....	.....	.....	....
	Females	258	211	18	15	13	.....	.....	.....	.....	1
Oceana	Totals	295	214	29	39	12	.....	.....	1	.....	....
	Males	158	107	16	26	9	.....	.....	.....	.....	....
	Females	137	107	13	13	3	.....	.....	1	.....	....
Ogemaw	Totals	120	70	17	25	7	.....	1	.....	.....	....
	Males	60	34	9	13	4	.....	.....	.....	.....	....
	Females	60	36	8	12	3	.....	1	.....	.....	....
Ontonagon	Totals	238	69	139	21	13	.....	1	.....	3	1
	Males	125	35	70	10	8	.....	1	.....	1	....
	Females	113	34	60	11	5	.....	.....	.....	2	1

Table II.—Concluded.—Births by counties, parent nativity and sex, 1904.

County	Sex	Children born in 1904	Nativity of parents of children born in 1904: Both native born	Both foreign born	Foreign father and native mother	Foreign mother and native father	Mother unknown. Father— Native	Mother unknown. Father— Foreign	Father unknown. Mother— Native	Father unknown. Mother— Foreign	Both unknown
Oceana	Totals	332	195	54	54	25	2	..	3	.....	9
	Males	172	95	25	31	11	1		2	...	6
	Females	160	80	29	23	14	1	....	1	.....	3
Ogemaw	Totals	36	28	2	1	1	2	..		....	3
	Males	13	5	1	1	1	.			.....	2
	Females	23	20	1			1	.	.	.....	1
Ontonagon	Totals	115	49	44	13	6	.			.....	1
	Males	65	29	24	7	4				.....	1
	Females	50	20	20	6	4				.....	...
Ottawa	Totals	793	423	161	114	75	1	3	2	1	2
	Males	400	214	83	43	35		..	...	1	2
	Females	393	217	78	51	41	3	3	2	.....	...
Presque Isle	Totals	275	122	66	64	19	.		4	.....	1
	Males	134	55	29	20	9			1	.....	1
	Females	144	67	30	25	10			1	.....	....
Roscommon	Totals	14	9	1	2	2				.....	..
	Males	7	4	....	2	1			.	.....	....
	Females	7	5	1		1	..	.	.	.....	.....
Saginaw	Totals	1,940	1,022	406	342	169	.		6	1	1
	Males	992	510	196	191	90			1	1	1
	Females	967	512	210	151	90	.		5	.....	.
St. Clair	Totals	966	522	146	119	94			3	1	.
	Males	479	292	80	51	54			1	1	....
	Females	407	240	66	50	40			2	.....	..
St. Joseph	Totals	260	251	7	22	7			1	..	1
	Males	136	120	4	7	4			.	.....	1
	Females	153	131	3	15	3			1	..	.
Sanilac	Totals	732	284	173	152	90		.	1	1	2
	Males	363	142	87	94	37	.		1	1	1
	Females	369	142	86	58	53			..	.....	1
Schoolcraft	Totals	207	54	102	27	20	1		2	.....	1
	Males	95	22	50	12	10			1	.....	...
	Females	112	32	52	15	10	1		1	.....	1
Shiawassee	Totals	408	319	22	28	34			3	.....	2
	Males	202	152	17	10	19	.	..	3	...	1
	Females	206	167	5	18	15		.	..	...	1
Tuscola	Totals	613	409	61	104	38	.		1	.....	.
	Males	329	216	36	57	19	.		1	..	
	Females	284	193	25	47	19			....	...	.
Van Buren	Totals	437	396	18	17	6			.	.	.
	Males	223	200	11	8	4					.
	Females	214	196	7	9	2			..	.	...
Washtenaw	Totals	515	406	27	51	31			.		..
	Males	265	228	14	26	17			.	.....	.
	Females	250	178	13	25	14				..	.
Wayne	Totals	6,533	2,930	3,474	1,118	785	11	4	17	10	484
	Males	4,367	1,521	1,777	591	408	4	4	9	10	272
	Females	4,237	1,409	1,697	527	377	7	..	8	.....	212
Wexford	Totals	379	238	63	41	28	....	.....	6	1	2
	Males	202	134	29	22	16	..	.....	1	.....	...
	Females	177	104	34	19	12	.	.....	5	1	2

Table III.—Stillbirths, twins and illegitimate births in Michigan, by counties, as enumerated by supervisors and assessors for the year 1904. (Stillbirths included.)

State and counties.	Number of stillbirths in 1904.	Number of twins born in 1904.	Number of illegitimate children born in 1904.
STATE	573	896	562
Alcona	2	2	0
Alger	3	2	0
Allegan	10	14	3
Alpena	3	10	3
Antrim	3	4	1
Arenac	4	2	2
Baraga	1	0	0
Barry	11	16	0
Bay	26	30	2
Benzie	8	4	2
Berrien	6	10	30
Branch	3	6	2
Calhoun	5	12	3
Cass	2	2	1
Charlevoix	1	6	0
Cheboygan	11	4	4
Chippewa	12	6	18
Clare	2	8	2
Clinton	12	10	0
Crawford	1	2	1
Delta	7	4	1
Dickinson	17	8	1
Eaton	5	8	0
Emmet	2	4	2
Genesee	8	5	2
Gladwin	3	2	0
Gogebic	16	12	0
Grand Traverse	12	6	4
Gratiot	4	14	1
Hillsdale	4	4	0
Houghton	26	44	15
Huron	5	18	3
Ingham	2	2	0
Ionia	6	4	0
Iosco	5	12	2
Iron	1	9	2
Isabella	5	8	5
Jackson	11	18	1
Kalamazoo	0	8	1
Kalkaska	1	2	3
Kent	25	44	36
Keweenaw	7	2	2
Lake	4	2	0
Lapeer	4	10	1
Leelanau	6	2	2
Lenawee	5	16	1
Livingston	2	8	1
Luce	0	0	1
Mackinac	1	4	0
Macomb	9	16	1
Manistee	10	4	2
Marquette	11	26	4
Mason	5	14	2
Mecosta	0	6	0
Menominee	2	8	0
Midland	4	8	1

Table III.—Concluded.—Stillbirths, twins and illegitimate births, by counties, year 1904.

Counties.	Number of stillbirths in 1904.	Number of twins born in 1904.	Number of illegitimate children born in 1904.
Missaukee	6	12	0
Monroe	7	18	2
Montcalm	5	8	0
Montmorency	2	0	0
Muskegon	8	16	4
Newaygo	2	4	0
Oakland	5	8	2
Oceana	2	6	3
Ogemaw	0	0	0
Ontonagon	11	10	3
Osceola	6	0	9
Oscoda	0	0	0
Otsego	2	6	0
Ottawa	21	14	1
Presque Isle	0	4	2
Roscommon	1	0	0
Saginaw	25	46	14
St. Clair	15	24	1
St. Joseph	6	4	0
Sanilac	5	22	0
Schoolcraft	4	4	2
Shiawassee	2	8	0
Tuscola	6	10	5
Van Buren	4	4	5
Washtenaw	2	2	0
Wayne	59	138	337
Wexford	6	16	1

TRIPLETS.—There were four cases of triplets reported in 1904, as follows: Eaton county, born in October, 1 male, 2 females, parents both native; Genesee county, born in November, 1 male, 2 females, parents both native; Iron county, born in January, 1 male, 2 females, parents both foreign; Wayne county, born in June, 1 male, 2 females, parents both native.

Table IV.—Stillbirths, twins and illegitimate births in Michigan, by months and sex, as enumerated by supervisors and assessors for the year 1904. Also number of stillbirths registered as deaths and returned by registrars for the same year.

Condition.	Sex.	Year 1904.	Months of births, 1904.												Unknown.
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Stillbirths (from returns of births).....	Totals...	373	31	27	53	52	32	44	43	47	51	55	62	70	6
	Males....	321	14	16	33	27	16	17	29	31	30	27	39	41	1
	Females.	252	17	11	20	25	16	27	14	16	21	28	23	29	5
Twins.*.....	Totals...	896	65	82	76	62	78	86	92	64	90	61	66	72	2
	Males....	459	35	43	45	23	41	51	43	38	46	22	33	39	..
	Females.	437	30	39	31	39	37	35	49	26	44	39	33	33	2
Illegitimate.*	Totals...	562	57	40	45	60	52	46	48	42	44	48	45	34	1
	Males....	311	35	18	31	25	33	27	25	27	24	22	29	14	1
	Females.	251	22	22	14	35	19	19	23	15	20	26	16	20	..
Stillbirths (from returns of deaths)....	Totals...	911	142	157	195	163	158	154	158	182	135	146	155	166	..
	Males....	1,098	86	87	111	85	88	80	97	112	82	83	96	91	..
	Females.	813	56	70	84	78	70	74	61	70	53	63	59	75	..

*Stillbirths included.

Table V.—Stillbirths, twins and illegitimate births in Michigan, by nativity of parents, as enumerated by supervisors and assessors for the year 1904.

Nativity of parents.	Number of stillborn children, 1904.			Number of twins, 1904.			Number of illegitimate children, 1904.		
	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
All nativities	573	321	252	896	459	437	562	311	251
Both native born	297	153	144	413	219	194	30	19	11
Both foreign born	153	85	68	268	135	133	12	5	7
Foreign father, native mother	68	51	17	133	64	69	12	7	5
Foreign mother, native father	31	17	14	72	38	34	7	4	3
Unknown mother, father native	4	1	3	2	.....	2	5	4	1
Unknown mother, father foreign	.....	.....	.....	.....	.....	.....	1	.....	1
Unknown father, mother native	4	4	.....	.....	.....	.....	89	49	40
Unknown father, mother foreign	.....	.....	.....	.....	.....	.....	30	17	13
Both unknown	16	10	6	8	3	5	376	206	170
One or both native	404	260	178	620	321	299	143	83	[illegible]
One or both foreign	252	193	99	473	237	236	62	33	[illegible]

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